

# EXHIBIT 2

1 UNITED STATES DISTRICT COURT  
2 SOUTHERN DISTRICT OF WEST VIRGINIA  
3 AT CHARLESTON

4 ----- )  
5 )  
6 IN RE: ETHICON, INC., )  
7 PELVIC REPAIR SYSTEM ) MDL No. 2327  
8 PRODUCTS LIABILITY )  
9 LITIGATION ) JOSEPH R. GOODWIN  
10 ) U.S. DISTRICT JUDGE  
11 ----- )

12 THIS DOCUMENT RELATES TO )  
13 PLAINTIFFS: )  
14 )

15 Joy Essman )  
16 Case No. 2:12-cv-00277 )  
17 )

18 Christine Wiltgen )  
19 Case No. 2:12-cv-01216 )  
20 )

21 Shirley Walker )  
22 Case No. 2:12-cv-00873 )  
23 )

24 Julie Wroble )  
Case No. 2:12-cv-00883 )  
)

Nancy Jo Williams )  
Case No. 2:12-cv-00511 )  
)

----- )

17  
18  
19 The deposition of GREGORY BALES, M.D.  
20 taken before Pauline M. Vargo, an Illinois  
21 Certified Shorthand Reporter, C.S.R. No. 84-1573,  
22 at the law offices of Drinker, Biddle & Reath,  
23 191 North Wacker Drive, Suite 3700, Chicago,  
24 Illinois, on April 1, 2016, at 8:02 a.m.

1 PRESENT ON BEHALF OF THE PLAINTIFFS:

2 MOTLEY RICE, LLC  
28 Bridgeside Boulevard  
3 Mount Pleasant, South Carolina 29464  
401.457.7700

4 BY: MARGARET THOMPSON, ESQ.  
mmthompsonmd@motleyrice.com

5  
TOR HOERMAN LAW, LLC  
6 101 West Vandalia Street, Suite 350  
Edwardsville, Illinois 62025  
7 888.508.6752  
By: STEVEN D. DAVIS, ESQ.  
8 sdavis@torhoermanlaw.com  
JACOB W. PLATTENBERGER, ESQ.  
9 jplattenberger@torhoermanlaw.com

10

PRESENT ON BEHALF OF THE DEFENDANT:

11

TUCKER ELLIS, LLP  
12 950 Main Avenue, Suite 1100  
Cleveland, Ohio 44113  
13 216.592.5000  
BY: MATTHEW P. MORIARTY, ESQ.  
14 matthew.moriarty@tuckerellis.com

15

16

17

18

19

20

21

22

REPORTED BY:

23

PAULINE M. VARGO, RPR, CRR  
24 Illinois CSR No. 84-1573

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

I N D E X

Friday, April 1, 2016

WITNESS EXAMINATION

GREGORY BALES, M.D.

By Ms. Thompson.....Page 7  
By Mr. Moriarty.....Page 206  
By Ms. Thompson.....Page 213

E X H I B I T S

BALES EXHIBIT MARKED FOR ID

Exhibit 1	Notice to take Deposition of Gregory T. Bales, M.D.	7
Exhibit 2	Defense Expert General Reports of Gregory Bales, M.D.	18
Exhibit 3	Ethicon Advisory Board Engagement Letter ETH.MESH.09280802 through ETH.MESH.09280808	18
Exhibit 4	E-Mail Chain, Top E-Mail sent 4/21/06 from Amy Vie ETH.MESH.07939396 and ETH.MESH.07939397	18
Exhibit 5	6/18/09 E-Mail ETH.MESH.00542924	20
Exhibit 6	2/26/10 E-Mail ETH.MESH.05740486	21

1	E X H I B I T S		
2	Continued		
3	BALES EXHIBIT		MARKED FOR ID
4	Exhibit 7	E-Mail Chain, Top E-Mail sent 8/15/05	55
5		ETH.MESH.02923305 and ETH.MESH.02923306	
6			
7	Exhibit 8	Chmielewski, et al., Study, "Reanalysis of a randomized trial of 3 techniques of anterior colporrhaphy using clinically relevant definitions of success"	61
8			
9			
10	Exhibit 9	Sand, et al., Study, "Prospective randomized trial of polyglactin 910 mesh to prevent recurrence of cystoceles and rectoceles"	64
11			
12			
13	Exhibit 10	Funk, et al., Study, "Long-term outcomes of vaginal mesh versus native tissue repair for anterior vaginal wall prolapse"	67
14			
15			
16	Exhibit 11	Oversand, et al., Study, "Long-term follow-up after native tissue repair for pelvic organ prolapse"	68
17			
18	Exhibit 12	Iglesia, et al., Study, "Three-Year Outcomes of Vaginal Mesh for Prolapse"	69
19			
20	Exhibit 13	Visco, et al., Study, "Vaginal mesh erosion after abdominal sacral colpopexy"	71
21			
22	Exhibit 14	"GyneMesh II New Mesh Design" ETH.MESH.12009028 through ETH.MESH.12009035	77
23			
24			

1		E X H I B I T S	
2		Continued	
3	BALES EXHIBIT		MARKED FOR ID
4	Exhibit 15	Abed, et al., Study, "Incidence and management of graft erosion, wound granulation and dyspareunia following vaginal prolapse repair with graft materials: a systematic review"	81
5			
6			
7	Exhibit 16	Jacquelin, et al., Study, "Total transvaginal mesh technique for treatment of pelvic organ prolapse: a 3-year prospective follow-up study"	83
8			
9			
10	Exhibit 17	Jacquelin, et al., Study, "Total transvaginal mesh technique for treatment of pelvic organ prolapse: a 5-year prospective follow-up study"	85
11			
12			
13	Exhibit 18	Jacquelin/Cosson Study, "Complications of vaginal mesh: our experience"	86
14			
15	Exhibit 19	Lowman, et al., Study, "Does the Prolift system cause dyspareunia?"	92
16			
17	Exhibit 20	Weber, et al., Study, "Sexual function and vaginal anatomy in women before and after surgery for pelvic organ prolapse and urinary incontinence"	94
18			
19			
20	Exhibit 21	Cochrane Review, "Transvaginal mesh or grafts compared with native tissue repair for vaginal prolapse"	105
21			
22	Exhibit 22	Maher article, "The Transvaginal Mesh Decade"	109
23			
24			

1	E X H I B I T S		
2	Continued		
3	BALES EXHIBIT		MARKED FOR ID
4	Exhibit 23	Maher paper, "Vaginal mesh contraction, definition, clinical Presentation and Management"	116
5			
6	Exhibit 24	Dietz, et al., Study, "Mesh contraction: Myth or reality?"	122
7			
8	Exhibit 25	Abstract 157 by Letouzey and De Tayrac	134
9			
10	Exhibit 26	PowerPoint, "Mesh shrinkage: How to assess, how to prevent, how to manage?"	136
11			
12	Exhibit 27	Gynecare Prolift IFU	199
13			
14	Exhibit 28	2015 Gynemesh PS IFU	202
15			
16	Exhibit 29	Urology Times Urology Excerpt	203
17			
18	Exhibit 30	Ek, et al., Study, "Urodynamic Assessment of Anterior Vaginal Wall Surgery: A Randomized Comparison Between Colporrhaphy and Transvaginal Mesh"	214
19			
20	Exhibit 31	Rogowski, et al., Article, "Mesh retraction correlates with vaginal pain and overactive bladder symptoms after anterior vaginal mesh repair"	215
21			
22			
23			
24			

1 (The witness was duly sworn.)

2 GREGORY BALES, M.D.,

3 called as a witness herein, having been first duly  
4 sworn, was examined and testified as follows:

5 EXAMINATION

6 BY MS. THOMPSON:

7 Q. Good morning, Dr. Bales.

8 A. Good morning.

9 Q. My name is Margaret Thompson, and I  
10 represent the Plaintiffs in the Ethicon MDL. Is  
11 that your understanding? And we just met, right?

12 A. That's correct.

13 Q. And we are here this morning to take  
14 your deposition regarding your general opinions  
15 regarding the Ethicon prolapse devices. Is that  
16 your understanding as well?

17 A. That's my understanding.

18 MS. THOMPSON: And we will go ahead  
19 and mark the notice as Exhibit 1.

20 (Bales Exhibit 1 was marked for  
21 identification.)

22 BY MS. THOMPSON:

23 Q. Have you seen the deposition notice?  
24 And this may actually not be the most recent one,



1 but I think the only thing that's changed here is  
2 the times.

3 A. Yes, I think I have seen this.

4 Q. Did you bring anything with you in  
5 response to the list of items that you were  
6 expected to produce?

7 A. I have some items.

8 Q. What did you bring with you?

9 A. So, I have my general report. I guess  
10 maybe you have it or you want it marked as an  
11 exhibit.

12 Q. I have it also.

13 A. And I have some of the case-specific  
14 things which I'm doing later and such.

15 Q. Okay. But nothing else?

16 MR. MORIARTY: Not true. We have  
17 invoices.

18 MS. THOMPSON: Okay, good.

19 THE WITNESS: And we have invoices.

20 MR. MORIARTY: But these are all case  
21 specific. You can ask him about his invoice  
22 for the general report or I can tell you about  
23 it. The bottom line is he hasn't sent that  
24 bill yet.

1 MS. THOMPSON: Okay. I will just ask  
2 him about it then. That's fine.

3 MR. MORIARTY: But these are  
4 case-specific invoices.

5 THE WITNESS: I'm a little bit behind  
6 in some of the invoice notations.

7 BY MS. THOMPSON:

8 Q. I understand. Dr. Bales, do you have an  
9 estimate of the time that you have spent in the  
10 case to this point working on your general opinions  
11 in the general report?

12 A. Strictly just the general?

13 Q. Yes.

14 A. You know, I would have to tabulate it  
15 exactly, but it has got to be around ten hours,  
16 approximately.

17 Q. And how much are you charging per hour?

18 A. So my rates for record review and  
19 discussions and such, it's 600 an hour and then the  
20 depositions, it's 750 an hour.

21 Q. Have you had your deposition taken  
22 before in any matter?

23 A. In other cases in the past?

24 Q. Yes.

1 A. Yes, ma'am.

2 Q. How many times?

3 A. Probably 30 or 40 over the last 15  
4 years.

5 Q. And what was the nature of those  
6 depositions, just in general terms?

7 A. Typically it was single case-specific  
8 litigation, you know, on the plaintiff or defense  
9 side, where there was most frequently a surgical  
10 misadventure of one sort and I was asked to give an  
11 opinion about the surgical case and the outcome and  
12 things like that.

13 Q. So those would be primarily medical  
14 malpractice cases?

15 A. Medical malpractice.

16 Q. And you have testified on both sides?

17 A. I have testified on both sides.

18 Q. And what do you mean -- because I  
19 noticed this in your report too. What do you mean  
20 by "surgical misadventure"?

21 A. It's just a very global term with if  
22 there was any, I guess, allegation of, you know,  
23 misuse of an instrument, cutting the wrong  
24 structure, any type of surgical complication. So,

1 that's just a very sort of nonspecific term related  
2 to any aspect of a surgical procedure where there  
3 was some question raised.

4 Q. So the question would be raised as to  
5 whether the doctor was at fault with a complication  
6 of one kind or another?

7 A. Yes. Typically these are all, yeah,  
8 single patient/one doctor type cases and  
9 situations.

10 Q. Are all the opinions that you intend to  
11 offer contained in the general report that you  
12 issued?

13 MR. MORIARTY: Objection to form. Go  
14 ahead.

15 Q. Regarding general opinions.

16 MR. MORIARTY: Objection. Go ahead.

17 A. Well, I will answer all the questions to  
18 the best of my ability. If you ask me things  
19 outside the context of things I have already  
20 written, I will certainly offer those opinions, but  
21 I think most of my opinions will be consistent with  
22 what has been written down and produced.

23 Q. Fair enough. Are your opinions  
24 objective?

1 MR. MORIARTY: Objection.

2 A. Yes, I believe my opinions are  
3 objective. They are opinions to my best ability to  
4 give an opinion based on my own training and to my  
5 best degree of medical certainty, if you will.

6 Q. And are your opinions unbiased?

7 MR. MORIARTY: Objection. Go ahead.

8 A. I think my opinions are unbiased.

9 Q. When you prepared -- did you prepare the  
10 report yourself?

11 A. I did.

12 Q. And how did you decide what to include  
13 and what not to include in your report?

14 MR. MORIARTY: Objection. Go ahead.

15 A. Well, as you can guess, you know, there  
16 is a voluminous amount of information that can go  
17 into a report like this and there is, you know,  
18 years and years of documents, scientific papers,  
19 research articles, journal articles and abstracts,  
20 et cetera. So, you sort of pick and choose and you  
21 try to get a broad array of Level 1 evidence that  
22 reflects good science. That's what I try to  
23 include.

24 Q. Did you receive materials from defense

1 counsel as you were preparing your general report?

2 A. Well, there was conversations and  
3 e-mails about certain papers and abstracts and  
4 journals and such and things I looked up on my own.

5 Q. Did you do any kind of literature search  
6 on your own?

7 A. Yes. I do literature searches all the  
8 time, and I certainly, you know, do literature  
9 searches consistently in my occupation, being an  
10 academic at the University of Chicago; and  
11 certainly I did some literature search and looked  
12 back at some of these manuscripts in the  
13 preparation of my report.

14 Q. Did you search for particular products,  
15 for example?

16 A. Well, in general just we started  
17 obviously with sort of pelvic organ prolapse, and  
18 I'm familiar with a lot of literature just because  
19 I have been reviewing it and I review the Journal  
20 of Urology and Urology and Neurourology and  
21 Urodynamics. But again, and I looked at some  
22 case-specific things regarding the Prolift and, you  
23 know, the Ethicon products.

24 Q. Did you receive any internal Ethicon

1 documents, corporate documents?

2 A. Yes, some.

3 Q. Did you ask for any internal corporate  
4 documents on any particular issue?

5 A. I didn't specifically ask for any.

6 Q. Why not?

7 A. I think as a doctor, obviously, most of  
8 the opinions I'm asked to give are based on my  
9 training and my review of the medical and  
10 scientific literature. So, things internal to a  
11 company in terms of e-mails and things like that,  
12 that's probably I guess for my purposes I feel a  
13 little less relevant, so I didn't specifically ask  
14 for those.

15 Q. Did you think that the internal  
16 corporate documents would not alter your opinions?  
17 Is that a reason?

18 MR. MORIARTY: Objection.

19 A. No, I didn't really give it any thought  
20 like that. As I said, typically when I -- and you  
21 asked earlier. I have been involved in other sort  
22 of medical malpractice cases and stuff, and so I  
23 usually again rely on, you know, articles and  
24 peer-reviewed literature, you know, that's in the

1 medical and surgical literature. I don't typically  
2 rely on, you know, corporate e-mails or documents  
3 like that. So, honestly, I don't think that  
4 typically -- I wouldn't think to typically ask and  
5 review all of that.

6 Q. So, if Ethicon had information that  
7 wasn't contained in the medical literature, would  
8 that be important to you?

9 A. Well, that's an awfully broad statement.  
10 I guess it would depend on what the nature of that  
11 information was. Can you be more specific?

12 Q. We may be later on as I maybe show you  
13 some things.

14 A. Okay.

15 Q. When did you first begin working as a  
16 paid consultant for Ethicon?

17 A. So, probably, if you include sort of  
18 some of the work I did with Ethicon 10 or 12 years  
19 ago, I used to train some doctors on doing TVT  
20 procedures. That probably started back in 2000,  
21 2001, so that would be sort of the introduction.

22 Q. And have you worked as a paid consultant  
23 for Ethicon in every year since then?

24 A. So, no, definitely not. Early on when



1 TVT first came online, a lot of doctors wanted to  
2 use and learn that technique, and I was one of the  
3 earlier doctors and one of the first surgeons in  
4 the Chicagoland area doing TVT. So, for the first  
5 few years I did do a lot of training and  
6 consulting, but then for a number of years I didn't  
7 do any.

8 Q. When did you start working for Ethicon  
9 as a paid consultant on prolapse devices?

10 MR. MORIARTY: Objection. Are you  
11 talking about litigation?

12 MS. THOMPSON: No, I'm not talking  
13 about litigation.

14 BY MS. THOMPSON:

15 Q. Why don't you go ahead and tell me what  
16 your roles have been with Ethicon outside of  
17 litigation.

18 A. Sure, of course. So, essentially both,  
19 as we just mentioned, with TVT I did some  
20 proctoring and consulting. Essentially it would  
21 encompass two things. Doctors would come to the  
22 hospital and watch me do procedures and a couple of  
23 times I would go and help a doctor at their  
24 facility, and I did that early on in 2000, 2001

1 with TVT and then a few times, nowhere near as  
2 much, a handful of times with Prolift.

3 Q. So you have acted as a consultant,  
4 correct?

5 A. Correct.

6 Q. Have you taught courses as well?

7 A. I don't believe I have ever taught a  
8 course.

9 Q. And you proctored individual surgeons?

10 A. And proctored individual surgeons, yes.

11 Q. Have you taught any cadaver labs?

12 A. I don't think so. I have taught cadaver  
13 labs but I think for other companies. I don't  
14 believe I have ever done that with Gynecare. I  
15 don't remember exactly. This goes back ten years,  
16 but I don't think so for this company.

17 Q. And have you served on advisory boards?

18 A. Not to my knowledge, not for this, not  
19 for what we are discussing, for Gynecare products.  
20 I have been on advisory boards for some drug  
21 manufacturers and things like that.

22 MS. THOMPSON: Go ahead and mark the  
23 report as Exhibit 2, please, and let's go  
24 ahead and mark this Exhibit 3.

1 (Bales Exhibits 2 and 3 were marked  
2 for identification.)

3 BY MS. THOMPSON:

4 Q. Do you recognize this at all, Dr. Bales?

5 A. No, I don't, although, you know, it may  
6 be something that I saw, I don't know, ten years  
7 ago. But no, it doesn't look familiar to me as I  
8 look at it right now.

9 Q. And will you agree with me that that's a  
10 advisory board engagement letter and at least your  
11 name is listed as a member of the advisory board,  
12 but you don't remember being on a specific advisory  
13 board for Ethicon, right?

14 A. I don't.

15 MR. MORIARTY: Objection, form.

16 A. It might be as well that, you know, I  
17 went to a meeting or, you know, they had a program,  
18 if you will, and then they considered that an  
19 advisory board, if you will. But as I said, this  
20 must go back a lot of years, so, yeah, no, I'm  
21 sorry, I don't remember.

22 MS. THOMPSON: And Exhibit 4.

23 (Bales Exhibit 4 was marked for  
24 identification.)

1 BY MS. THOMPSON:

2 Q. This is an e-mail exchange about Prolift  
3 Users Forum from 2006. Did you participate in the  
4 Chicago Prolift Users Forum, to your memory?

5 A. Yeah, again, I apologize, my memory  
6 fails me on some of these things, but this was ten  
7 years ago. If it says I was at a forum one  
8 evening, then I guess I was, if my name is on this.  
9 But as I said, I really, I apologize, I can't  
10 remember ten years ago being part of this.

11 Q. When did you start using Prolift?

12 A. Probably about 2006, would be my best  
13 guess. I think it came online end of 2005.

14 Q. And if you did participate in this  
15 forum, that would be something that you would  
16 expect to be paid for by Ethicon, right?

17 MR. MORIARTY: Objection.

18 A. No, not necessarily. I mean, sometimes  
19 you participate in things because you wanted to get  
20 an opportunity to listen to other of your  
21 colleagues and other experts, and so I wouldn't  
22 necessarily expect to be paid, although oftentimes  
23 if you participate in things like this you would be  
24 paid.

1 MS. THOMPSON: Exhibit 5.

2 (Bales Exhibit 5 was marked for  
3 identification.)

4 BY MS. THOMPSON:

5 Q. This is an e-mail regarding payment for  
6 professional education in 2009 for Prolift in the  
7 amount of \$18,000. Does that sound like that's  
8 something that was -- that you received and were  
9 paid for?

10 MR. MORIARTY: Objection, form and  
11 otherwise.

12 MS. THOMPSON: Let me rephrase that  
13 question. It was a bad question.

14 BY MS. THOMPSON:

15 Q. Do you recognize this?

16 A. I don't.

17 Q. Were you paid \$18,000 in 2009 for  
18 professional education for Prolift?

19 A. I don't remember if I was. I hope I  
20 was. It's quite a bit of money, but I don't  
21 remember being paid \$18,000 seven years ago.

22 Let me just add again that, you know, I  
23 have done proctoring and such for other companies  
24 too, and that's why sometimes it's a little hard to

1 remember my specific relationships with each  
2 individual vendor, so just to make that  
3 clarification, because I apologize if my memory  
4 perhaps doesn't serve me well.

5 MS. THOMPSON: That's okay, and  
6 Exhibit No. 6.

7 (Exhibit 6 was marked for  
8 identification.)

9 BY MS. THOMPSON:

10 Q. Showing you, Dr. Bales, a similar  
11 document from 2010. Do you recognize this  
12 document?

13 MR. MORIARTY: Objection.

14 A. No, I don't.

15 Q. And do you recall if you were paid  
16 \$54,000 in 2010 for professional education?

17 A. No, I absolutely don't recall that at  
18 all. Does this reflect -- I mean, is this a check?  
19 Again, I'm not sure what this document is. I mean,  
20 is this a cancelled check? I mean, I don't recall  
21 being paid that amount of money at all. I hope I  
22 wasn't supposed to be paid that amount of money and  
23 it wasn't given to me. No. I apologize.

24 Q. As an Ethicon consultant proctoring

1 surgeons and now being retained as an Ethicon  
2 expert, you would agree with me that you probably  
3 know more about the Ethicon prolapse products than  
4 the average doctor in the community, wouldn't you?

5 A. Sure. If the average doctor in the  
6 community hasn't done these procedures, then I  
7 certainly would know more.

8 Q. Even doctors who have done the  
9 procedures, because of your academic position, your  
10 consulting positions with Ethicon, your knowledge  
11 of the literature, wouldn't you agree that you  
12 would know more than the typical community doctor?

13 MR. MORIARTY: Objection.

14 A. Sure. On balance I would agree that if  
15 it's something that a community doctor is less  
16 familiar with and less experienced with, I would  
17 know more.

18 Q. I would like to establish the Ethicon  
19 products that you actually intend to offer opinions  
20 on, so I would like to just go through and tell me  
21 whether you feel like your general opinions cover  
22 each of these products. Okay?

23 A. I'm at your disposal, counsel.

24 Q. Oh, that's nice to hear.

1                   Gynemesh, a piece of mesh used  
2   transvaginally.

3                   MR. MORIARTY:   You mean Gynemesh PS?

4                   MS. THOMPSON:   Gynemesh PS.

5           A.       Are you asking me if I'm going to offer  
6   opinions or you would like opinions?

7           Q.       No.   Do you intend to offer opinions on  
8   Gynemesh PS?

9           A.       I think I'm here to answer your  
10   questions today, which I will do to the best of my  
11   ability; and I'm certainly happy to answer and  
12   offer opinions on Gynemesh PS, which I'm familiar  
13   with.

14          Q.       The Prolift devices?

15          A.       Correct.

16          Q.       Prolift+M?

17          A.       Correct.

18          Q.       Prosima?

19          A.       I've never used Prosima.   I won't be  
20   able to tell you very much about Prosima.   I'm  
21   familiar with it, but never personally had any  
22   experience using it myself.

23          Q.       And I didn't notice any opinions  
24   regarding Prosima in your report, so can we assume



1 that you will not be offering opinions on the  
2 Prosima device?

3 A. I won't, especially if you don't ask  
4 anything more about it, so why don't you cross it  
5 out.

6 Q. Thanks. I will cross it out.

7 A. Perfect.

8 Q. So with the products that we just  
9 mentioned, is it your opinion generally that each  
10 of these products is safe and effective?

11 A. That would be my opinion.

12 Q. And is it your opinion generally that  
13 each of these products offer advantages over native  
14 tissue repairs?

15 A. Well, they may offer some advantages,  
16 and I think we would have to clarify more  
17 specifically what we are talking about. I think  
18 that's a little bit too broad for me to just say I  
19 agree.

20 Q. And it was meant as a broad question.  
21 Obviously there will be specific instances, but in  
22 general, do the products offer advantages in your  
23 opinion over native tissue repairs?

24 A. I think for certain things they offer

1 advantages.

2 Q. Is it your opinion generally speaking in  
3 the situations that the benefits would outweigh the  
4 risks?

5 A. Yes.

6 Q. What procedures are you currently  
7 performing for pelvic organ prolapse?

8 A. So the two primary ones are abdominal  
9 sacrocolpopexies, and those can be performed either  
10 through an open incision or robotically.

11 Also cystocele repairs, native tissue  
12 cystocele repairs or bladder prolapse repairs;  
13 posterior colporrhaphy or rectocele repairs; and  
14 colpocleisis. I think that encompasses all of  
15 them.

16 Q. And what is colpocleisis?

17 A. That's typically used for a patient who  
18 is much older and not sexually active and perhaps  
19 has associated comorbidities and may not be a good  
20 candidate for a lengthy surgical procedure where  
21 you more or less close off the vaginal opening.

22 So, you prevent the prolapse, but then the vaginal  
23 is significantly foreshortened and essentially  
24 closed off, so a patient would no longer have the

1 ability to be sexually active.

2 Q. Is it your opinion that colposcleisis is  
3 a good choice for women who are not sexual active  
4 and have no plans to be sexually active in the  
5 future?

6 A. I think it's one of the choices and  
7 certainly should be used again in a woman who is  
8 not planning to be -- is either not or not planning  
9 to be sexually active.

10 Q. What are the risks of colposcleisis  
11 beyond the immediate operative risks?

12 A. Beyond the immediate operative risks?  
13 Well, it's a continuum. Obviously I think patients  
14 can develop infection and bleeding. Typically that  
15 would be more of a risk perioperatively, and you  
16 said you want to go kind of past that.

17 The big one is you can still re-develop  
18 prolapse, less commonly, but prolapse can still  
19 return. Patients may change their mind and get a  
20 new boyfriend, so there is always a small concern  
21 that the sexual issues may manifest themselves.

22 And the big one, of course, is pain.  
23 Any degree of pain and scarring from any surgical  
24 procedure in the vagina could manifest itself and

1 create and lead to continued pain and discomfort in  
2 the vaginal canal.

3 Q. Have you ever seen chronic pain related  
4 to colpocleisis in your practice?

5 A. Sure. Over 21 years I have seen  
6 patients who have had that procedure and have pain.

7 Q. How many cases of chronic pain after  
8 colpocleisis have you seen in your practice?

9 A. I wouldn't be able to quantify for that.  
10 It's a small number.

11 Q. Has it ever been reported in the medical  
12 literature, chronic pain after colpocleisis, that  
13 you are aware of?

14 A. I would think that it's been reported  
15 that after any vaginal procedure there is pain.  
16 I can't cite a specific paper where it has  
17 specifically said colpocleisis and chronic pain,  
18 but I would imagine it's out there.

19 Q. But today off the top of your head, you  
20 can't cite to any article that would address  
21 chronic pain related to colpocleisis procedures?

22 A. I can't cite a specific paper for you  
23 right now.

24 Q. Can you cite a paper with chronic pain

1 from cystocele repairs?

2 A. I'm going to have a hard time citing a  
3 specific paper about any questions you ask, because  
4 again, I just -- you know, I don't keep specific  
5 citations in my head, you know, on a consistent  
6 basis. So, probably any question you ask me to  
7 give you a specific citation, I'm not going to be  
8 able to do that. We will have to -- you know, I  
9 would have to get back with you and show you the,  
10 you know, the specific citation.

11 Q. How do you keep track of the  
12 complications with your patients with procedures  
13 that you have performed?

14 A. Well, I work -- so, I work at the  
15 University of Chicago, and we have a training  
16 program. We have three residents a year. Our  
17 residents frequently mine our data, and so we have  
18 ongoing databases and stuff.

19 So -- and we have a monthly morbidity  
20 and mortality meeting every single month which is a  
21 couple hours and is very labor-intensive because we  
22 go back through all the cases that have occurred.  
23 And again, that's part of our residents' job, is to  
24 mine the data and look for complications.

1                   So, we are pretty aware of things. I  
2   mean, some things potentially get missed, but  
3   typically that's probably the best way. And of  
4   course, the obvious way are patients coming back to  
5   see me every six months or a year, and we keep  
6   track in that fashion, of course.

7           Q.     But if a resident isn't mining a  
8   complication or it hasn't been presented at an M  
9   and M conference, there is no ready access to your  
10   complication or your complications rate, is there?

11                   MR. MORIARTY: Objection. Go ahead.

12           A.     Well, I guess the answer -- again, I'm  
13   not quite sure I fully understand, but if the  
14   patient had surgery and then never came back or  
15   never made me aware of a problem, a complication  
16   certainly could have occurred that I'm not aware  
17   of.

18           Q.     Well, for example, when I asked the  
19   question about chronic pain after colpocleisis, you  
20   said it was very few but you couldn't tell me how  
21   many. Would you be able to go back and determine  
22   how many patients that you performed a colpocleisis  
23   have chronic pain?

24           A.     Well, no. I have been practicing for 21

1 years, so I couldn't go back and quantify the  
2 number of cases I've done. I've done, you know,  
3 well into the thousands in terms of pelvic floor  
4 procedures between prolapse and slings and  
5 sacrocolpopexies.

6 So, I couldn't give you the denominator  
7 and I couldn't give you the numerator unless I went  
8 back and contacted the individual every patient.  
9 So, again, you asked me for a specific number, and  
10 I wasn't able to provide that.

11 Q. What Ethicon prolapse products are you  
12 currently using?

13 A. So, I currently primarily used the TVT,  
14 which is a sling product, and the TVT obturator,  
15 which again is a sling product but the sling is  
16 placed in a slightly different fashion. It's not  
17 retropubic but it goes through the obturator  
18 foramen.

19 Q. So you are currently not using any  
20 Ethicon products to treat prolapse?

21 A. I'm not as far as I know. I think many  
22 of them are off the market. I'm not sure they are  
23 available, but no, I'm not.

24 Q. Do you use Gynemesh PS in your abdominal

1     sacrocolpopexies?

2           A.     I used Gynemesh PS for my  
3     sacrocolpopexies for a long time. Sometimes I'm at  
4     the whim of the University of Chicago. They  
5     sometimes they get other products in, so sometimes  
6     it's not up to me.

7                     Currently the product they have for that  
8     application is the AMS product called IntePro, but  
9     again, unfortunately, sometimes the doctors don't  
10    have any ability to -- to -- weren't involved in  
11    the decision-making.

12          Q.     How many Prolift procedures have you  
13    performed over your career, approximately?

14          A.     So, just to clarify, there is total  
15    Prolift, there is anterior Prolift and posterior  
16    Prolift, so there is sort of three. You want an  
17    estimate based on all those procedures put  
18    together?

19          Q.     Why don't you give me all and then break  
20    them down as to how many of each.

21          A.     So, I would -- roughly, again it's a  
22    rough guesstimate. This goes back again ten years  
23    or so. Probably several hundred of -- probably  
24    several hundred of all of them, and then the



1 breakdown would be probably 50 percent anterior  
2 Prolift, probably 45 percent total Prolift and a  
3 very smaller -- a much smaller percentage,  
4 5 percent or less of the posterior Prolift.

5 Q. Have you published any peer-reviewed  
6 articles regarding using vaginal mesh for prolapse  
7 repairs?

8 A. Yes.

9 Q. What are those articles?

10 MR. MORIARTY: Objection.

11 A. Again, I mean, I think my CV -- do we  
12 have my CV here? I would have to show you. I  
13 don't remember the exact citation.

14 Q. Did you bring your CV?

15 A. I don't think I have a copy of my CV.

16 MR. MORIARTY: We produced it with the  
17 report and reliance list.

18 BY MS. THOMPSON:

19 Q. Okay. And do you treat mesh  
20 complications in your practice?

21 A. Absolutely. More complications than I  
22 care to.

23 Q. What are the most common mesh  
24 complications that you treat in your practice?

1           A.       So, there is a variety. There is  
2 complications of exposures or extrusions where the  
3 mesh is sort of exposed and through the vaginal  
4 wall, and there is some pain complications that  
5 patients see which may or may not always be related  
6 to the mesh in any fashion necessarily. But  
7 patients come in with again after pelvic organ  
8 prolapse surgeries complaining of pain, and  
9 obviously the most common, I guess, is a recurrence  
10 of the prolapse, where they are coming in, they  
11 have already had a procedure and now it's failed  
12 and they need additional surgery.

13           Q.       What type of pain complications do you  
14 treat related to mesh?

15           A.       Well, as I said, I don't know if you can  
16 sometimes discern what's related to mesh and what  
17 isn't, but patients come in and they have pain in  
18 their pelvic floor, in their vaginal canal area,  
19 and we treat it. We treat it in combination with  
20 our physical therapists, and also we have some  
21 wonderful pain specialists. So, we treat all  
22 gamuts of pain with or without or whether or  
23 whether they have not had any kind of mesh  
24 procedure.

1 Q. And you are aware of literature with  
2 large case series, in the hundreds of patients,  
3 with mesh complications of which pain is frequently  
4 one, if not the most, common complication, correct?

5 MR. MORIARTY: Objection, form. Go  
6 ahead.

7 A. Yeah. Can we read that back? I'm  
8 sorry.

9 Q. You are aware of a large body of  
10 literature describing hundreds of patients with  
11 mesh complications, of which pain is one of the  
12 most common presentations, if not the most common  
13 presentation, correct?

14 MR. MORIARTY: Objection. Go ahead.

15 A. There is certainly a lot of literature  
16 that patients who have had mesh procedures come  
17 back and have pain. So, yes, on balance I would  
18 agree with that.

19 Q. And are you aware of any articles  
20 describing series of patients coming, presenting  
21 with pain for other prolapse procedures, native  
22 tissue repairs?

23 A. So, again, patients in a series, looking  
24 at patients who have pain after they have had some

1 type of surgical procedure, not involving mesh?

2 Q. Right. Are there any articles in the  
3 literature that you are aware of that describe  
4 large series of patients presenting with pain after  
5 native tissue pelvic prolapse repair procedures?

6 A. I think, yes. I think there is  
7 obviously significant bodies of literature looking  
8 at -- you know, longitudinal studies looking at  
9 patients after cystocele repairs, after rectocele  
10 repairs, and there is always a small percentage  
11 that have pain, so there is definitely --

12 Q. That was not my question.

13 Are you aware of any article in the  
14 medical literature that reports case series of  
15 chronic pain or any pain related to native tissue  
16 pelvic organ prolapse procedures?

17 MR. MORIARTY: Objection, asked and  
18 answered.

19 MS. THOMPSON: He answered -- no. Go  
20 ahead and answer it because you did not answer  
21 that question.

22 A. Again, maybe I'm not understanding it  
23 properly, but yes, there is literature that  
24 certainly underscores that pain occurs after mesh

1 and non-mesh type pelvic procedures.

2 Q. My question is, is there an article that  
3 describes a series of patients who present with  
4 pain after native tissue pelvic organ procedures?

5 I'm not talking about a study where the  
6 outcome is success rates or were longitudinal. I'm  
7 talking about case series of pain complications  
8 after native tissue pelvic organ prolapse repairs.

9 MR. MORIARTY: Only pain?

10 MS. THOMPSON: Well, any complications  
11 of which pain is -- if pain is mentioned as a  
12 significant factor.

13 MR. MORIARTY: Objection, asked and  
14 answered. Go ahead.

15 A. Yeah, I think there is -- yes, there is  
16 lots of literature looking at non-mesh based, and  
17 one of the outcomes they look at and talk about is  
18 pain.

19 Q. Okay. I do want you to show me that  
20 article that describes series of patients with  
21 chronic pain after native tissue prolapse repair,  
22 and I will let you look for that at the break and  
23 tell me what that is.

24 MR. MORIARTY: Objection. He has no

1 resource with which to do such research.

2 MS. THOMPSON: He can look at his  
3 reliance list.

4 MR. MORIARTY: He can pick it out of a  
5 reliance list, if he can.

6 MS. THOMPSON: He can Google chronic  
7 pain after native tissue pelvic --

8 MR. MORIARTY: He is not doing  
9 research as we sit here today, on or off the  
10 record.

11 BY MS. THOMPSON:

12 Q. As you sit here today, you are not aware  
13 of an article that describes a case series of  
14 chronic pain after native tissue repairs, are you?

15 MR. MORIARTY: Objection.

16 A. Again, you are going to have to -- you  
17 don't have to raise your voice, but you just have  
18 to ask the question differently so I understand it.  
19 If you are asking me --

20 Q. All right. My first question was, you  
21 are aware of many articles reporting complications  
22 of mesh, of which pain is one of the main ones,  
23 describing hundreds of patients who are presenting  
24 to mainly tertiary care centers with mesh-related

1 complications including pain?

2 A. Yes, but -- well, hold it.

3 Q. So let me ask this question. I'm asking  
4 you, are you aware of similar articles that you  
5 know -- you know they are there with mesh -- and  
6 I'm sorry to raise my voice, but it's frustrating  
7 not to get an answer to my question. You know the  
8 articles are there with mesh. I'm asking you, are  
9 you aware of a similar article with native tissue  
10 repairs?

11 MR. MORIARTY: Objection.

12 A. Yes. There is absolutely articles  
13 looking at outcomes of non-mesh pelvic surgical  
14 procedures that look at outcomes.

15 And in answer to the first part of your  
16 question, I'm not aware that there is a specific  
17 article that only cites pain. So what you are  
18 discussing, of course, is outcomes, and there is  
19 outcomes -- and that's the first part of your  
20 question -- that there is outcomes of mesh  
21 surgeries and patients complaining of pain,  
22 hundreds of patients. That's one of the  
23 complications. And that same literature exists  
24 with non-mesh repairs, and I would be happy -- not

1 today, but I'm sure I could find a reference at  
2 some point for you.

3 Q. Okay. I want you to look for that,  
4 please, and I would like to be provided with it  
5 because I'm certainly not aware of it.

6 Have you removed mesh in your practice?

7 A. Yes.

8 Q. What were the indications for the  
9 removal of mesh?

10 A. Typically a -- typically an exposure so  
11 that it was -- and the patient was often sexually  
12 active and patients who were obviously having some  
13 discomfort, both on the part of the patient and  
14 obviously the partner.

15 Q. Have you removed mesh for other  
16 complications?

17 A. I have removed mesh sometimes when there  
18 has been mesh inside the urinary tract, inside the  
19 urethra, inside the bladder. So, any mesh in a  
20 spot where it doesn't belong, I have removed it.

21 Q. Have you removed mesh for pain?

22 A. Well, in the cases I just mentioned mesh  
23 is being removed in part because of pain.

24 Q. So you have only seen pain when it's



1     been accompanied by exposure or erosion; is that  
2     your testimony?

3           A.     Say that -- is there a question there?

4           Q.     You said removed for pain when it is  
5     associated with other things and you mentioned  
6     exposure, erosion.

7           A.     Right.

8           Q.     Have you ever removed mesh for pain when  
9     there was not exposure or erosion?

10          A.     Yes.

11          Q.     And what were those situations?

12          A.     Well, sometimes if there is a recurrence  
13     of prolapse or sometimes if there is a patient can  
14     just feel discomfort in a location where we think  
15     there is some mesh and we feel that is on our  
16     differential list for a source of the pain. So, in  
17     some of those situations I remove mesh, and  
18     sometimes the mesh has to be removed to do another  
19     repair.

20          Q.     Is it your testimony that mesh itself  
21     doesn't cause pain unless it's associated with  
22     something else?

23          A.     I think -- I think there is a whole lot  
24     of factors that cause pain, so you are going to

1 have -- I'm not quite sure how to answer your  
2 question. So, mesh -- maybe rephrase that again.

3 Q. Do mesh devices cause pain?

4 A. Any surgical procedure causes pain,  
5 including mesh devices.

6 Q. That wasn't my question. Okay.

7 And you will agree with me with any  
8 complication there are factors that are important  
9 as well as it occurs or it doesn't occur. For  
10 example, the rate at which it occurs is important,  
11 right?

12 A. The rate of how often the complication  
13 or how quickly it occurs?

14 Q. How often. How often a complication  
15 occurs is important, right?

16 A. Sure.

17 Q. And how severe the complication is is  
18 important, right?

19 A. Well, I'm the treating doctor, so yeah,  
20 any complication is important, and certainly the  
21 degree of and severity of the complication is  
22 important as well. Everything is important.

23 Q. And the responsiveness to treatment is  
24 important, right?

1 A. Sure.

2 Q. Whether you can treat the patient or  
3 not, whether they can get better with your  
4 treatment is important?

5 A. I would say that's important, sure.

6 Q. And whether or not the complication is  
7 permanent or temporary is important, isn't it?

8 A. Well, sure.

9 Q. And is it your testimony here today that  
10 considering all those factors that are important to  
11 you, pain complications with mesh are no different  
12 from pain complications with native tissue repairs;  
13 is that your testimony?

14 MR. MORIARTY: Objection, form. Go  
15 ahead.

16 A. I think again that's an awfully broad  
17 kind of question. I think -- I think there is pain  
18 syndromes, and pain issues before surgery are very  
19 difficult to treat and there is a lot of factors  
20 that can be involved; and so I think you see that  
21 sometimes after patients have had mesh surgeries,  
22 non-mesh surgeries, associated hysterectomies,  
23 everything. So, I think it really has to be a  
24 little bit more case specific to sort out what's

1 causing the pain on any individual patient.

2 Q. I want you to answer my question.

3 Is it your testimony considering the  
4 factors, the rate, the severity, the responsiveness  
5 to treatment, the permanence, that there is no  
6 difference between mesh repairs and native tissue  
7 repairs regarding pain?

8 MR. MORIARTY: Same objection. Go  
9 ahead.

10 A. Again, there is -- I mean, it depends on  
11 what we are talking about in terms of the pain.  
12 It's just such a broad statement. I think in  
13 general, yeah, I think it's probably the same, but  
14 I also don't think it is a good question because  
15 it's so broad.

16 Q. Do you hold yourself out as an expert in  
17 medical device design, Dr. Bales?

18 A. You know, it's funny. Whenever I've  
19 taken depositions -- you asked me earlier -- people  
20 ask are you an expert. And so, again, I'm a  
21 board-certified urologist, so the default answer is  
22 always, well, I'm an expert as a urologist, right?  
23 So, if you ask me if I'm an expert in other things  
24 and you sort of think, well, I'm not

1 board-certified in other areas, I'm a  
2 board-certified urologist, but I'm an expert in  
3 things that I do very commonly and things that I'm  
4 very experienced in.

5 So, again, medical devices, if the  
6 medical device is that I've used and very familiar  
7 with and I've held in my hand and I've placed into  
8 patients and I have done their surgeries, then yes,  
9 I guess I'm considered an expert.

10 Q. Have you ever designed a medical device?

11 A. I have not.

12 Q. Are you a biomaterials expert?

13 A. Again, sort of the same answer to the  
14 previous question. It depends on what biomaterials  
15 I guess we are talking about. But if we are  
16 talking about biomaterials that I'm familiar with,  
17 including some of the meshes and things that I've  
18 implanted in patients and held in my hand and have  
19 done hundreds of times, then I guess I'm certainly  
20 very familiar and a lot more knowledgeable than 99  
21 percent of people.

22 Q. Have you ever looked at an explanted  
23 mesh device histologically?

24 A. So, yes, I suspect I have, and I've

1 certainly seen pictures of the histologic  
2 presentations, and yes, I'm sure I have been in our  
3 pathology department at least a couple times and  
4 looked at some of these things. But, you know, it  
5 will be very difficult for me to describe the  
6 histologic appearance.

7 Q. So you would not consider yourself an  
8 expert in pathology?

9 A. I'm very knowledgeable about pathology,  
10 but I'm certainly not an expert and be able to  
11 describe the specific pathologic features that a  
12 pathologist, a board-certified pathologist would be  
13 able to do.

14 Q. Are you an expert in regulatory affairs?

15 A. That's such a broad thing, what  
16 regulatory affairs are, that again I guess I can't  
17 say I'm any kind of expert in regulatory affairs.  
18 I'm not sure even what that means.

19 Q. How about industry standards for  
20 warnings?

21 MR. MORIARTY: Objection, form.

22 A. So, an expert in industry, you are  
23 asking me if I'm an expert in industry standards of  
24 warnings.

1                   So, again, I'm not -- I'm not aware of  
2   what those standards may be, so I guess I'm not an  
3   expert in it.

4           Q.     We are going to go through your report.  
5   I'm going to ask you some questions about some of  
6   your opinions contained in the report. If you want  
7   to follow along, you are welcome to.

8                   On Page 3 --

9           A.     Can I just -- let me make sure I'm just  
10   working off the same copy. You said you gave it  
11   that. Was that Exhibit 2? Was it Exhibit 2?

12          Q.     Exhibit 2, correct.

13          A.     Can I have it just to make sure? Go  
14   ahead. Thank you.

15          Q.     At the bottom of Page 3 you start out  
16   talking about sacrocolpopexy and then you also talk  
17   about uterosacral ligament suspensions and  
18   sacrospinous ligament fixations. Do you perform  
19   either of those procedures?

20          A.     Yes.

21          Q.     When was the last time you performed  
22   either one and which one?

23          A.     A long time ago, a number of years ago,  
24   five years ago.

1 Q. So for apical prolapse typically you  
2 would use a sacrocolpopexy?

3 A. That's correct.

4 Q. What's the exposure rate for  
5 sacrocolpopexy?

6 A. Again, there is studies that the numbers  
7 vary slightly, but I guess probably the best  
8 citation, since we were talking about citations,  
9 there was a multicenter trial out of JAMA, and  
10 again, I can't tell you the specific date and  
11 journal number, that I think the exposure rate was  
12 about 10 or 11 percent in this one particular  
13 study, and I think that included seven-year  
14 followup. I think it was 10, 10.5 percent, I  
15 believe.

16 It was mostly urogynecologists in that  
17 paper. It was published about two years ago.  
18 That's probably the best paper, I guess. As I  
19 said, I apologize I can't give you the exact  
20 citation. It was JAMA; I can tell you that.

21 Q. So it's your opinion that the exposure  
22 rate with sacrocolpopexy was 10 to 11 percent?

23 A. Well, again, I just answered your  
24 question that the literature suggests that it's 10



1 to 11 percent. I don't quote my patients that high  
2 a complication rate, but that's the number in the  
3 literature. There is other studies that we could  
4 tease out that say it's a little lower or a little  
5 higher.

6 Q. In the paragraph that you said these  
7 transvaginal approaches were not without unique  
8 risks, you say your sacral ligament suspensions  
9 were known to cause ureteral occlusion and  
10 4 percent requiring reimplantation in one study.  
11 Those were all noted intraoperatively, correct?

12 A. I believe so because typically, as you  
13 know, you check that. After that procedure you  
14 want to make sure usually you give some dye to the  
15 patients to make sure you see a ureteric stream  
16 into the bladder. I can't tell you if 100 percent  
17 of those were noted intraoperatively or shortly in  
18 the postoperative period.

19 Q. And you would agree that none of those  
20 had any permanent sequelae as a result of having  
21 the ureteral injury, correct?

22 A. Oh, no, I wouldn't agree with that at  
23 all.

24 Q. What evidence do you have that any of

1 those 11 percent of patients had any kind of  
2 permanent problems associated with the ureteral  
3 occlusion that was corrected at the time of  
4 surgery?

5 A. Well, so I have probably done over 200  
6 ureteral re-implants in my career, and I can tell  
7 you that patients who have ureteral reimplantations  
8 often have postoperative problems, including a  
9 reflux, they sometimes have a higher risk of  
10 pyelonephritis, they sometimes report pain.

11 Q. Are you aware of any of the patients in  
12 this series that had any kind of permanent sequelae  
13 as a result of those ureteral implantations?

14 A. I am not, but we would have to pull out  
15 that paper and see. But again, I'm basing my  
16 answer on my own personal experience of several  
17 hundred of these ureteral reimplantations.

18 Q. You say that the uterosacral ligament  
19 suspensions and sacrospinous ligament fixation had  
20 a -- you say unfortunately, both had a success rate  
21 of only 60 percent at two years.

22 What is the treatment, the retreatment  
23 rate from that, those studies, for the same  
24 conditions, the same procedures?

1           A.       Cited in those particular papers? Is  
2       that what you are asking me?

3           Q.       I don't want to look up those papers,  
4       but what is generally your knowledge of how many  
5       would require retreatment?

6           A.       Oh, I think it's very variable, but I  
7       think it depends on obviously the severity of the  
8       symptoms. Not everybody.

9           Q.       Would five percent sound about right?

10          A.       I wouldn't be able to -- five percent  
11       overall, that only five percent get retreated?

12          Q.       Yes.

13          A.       That probably is low, but I'm sure you  
14       could find -- we would have to pull out the paper,  
15       and there are some papers that would suggest it is  
16       a low rate and some patients, it's a higher rate.  
17       Again, it depends on the severity of the symptoms.

18          Q.       In the Barber study that you quoted in  
19       your paper, in your opinion, the retreatment was  
20       five percent. Would that surprise you?

21          A.       I think you are reading it, holding the  
22       paper, so it wouldn't surprise me. I think it  
23       sounds like you are reading it right from the text,  
24       so that was what they found.

1 Q. Are you aware of any comparative trial  
2 with -- well, first of all, what Ethicon products  
3 are indicated for apical repair, transvaginal  
4 apical repair?

5 A. Now or in the past?

6 Q. In the past. There are none now, right?

7 A. As far as I know, there is none. For  
8 apical repairs it was the total Prolift.

9 Q. And are you aware of any study with  
10 total -- the total Prolift that shows better  
11 success rates than uterosacral ligament suspension  
12 or sacrospinous ligament fixation, any studies?

13 A. Off the top of my head, I'm not sure  
14 better. I think equivalent, but we would have to  
15 again pull out some of the papers.

16 Q. So is there any better results from  
17 Prolift total compared to the native tissue that  
18 you described?

19 MR. MORIARTY: For apical repair?

20 MS. THOMPSON: For apical repair.

21 MR. MORIARTY: Go ahead.

22 A. Again, I'm not aware that there is truly  
23 any real good head-to-head randomized, long-term  
24 followup. But to answer your question, no, I'm not

1     aware of as I sit here right now.

2           Q.     So I'm curious why you would say  
3     unfortunately these procedures have a success rate  
4     of only 60 percent at two years when Prolift is no  
5     better. Is that an objective and unbiased  
6     statement in your report?

7                   MR. MORIARTY: Objection, form. Go  
8     ahead.

9           A.     So, again, the statement reads that  
10    unfortunately, these two procedures had a success  
11    rate of 60 percent in two years. So, that's --  
12    again, that's a direct citation from that paper, so  
13    I don't know how more unbiased you can be, right?  
14    I'm citing this paper and putting in the success  
15    rate. So, I'm only just rehashing what again is in  
16    the medical literature.

17          Q.     Does that paper say "unfortunately the  
18    success rate of 60 percent"?

19          A.     So you are concerned about the  
20    "unfortunately"?

21          Q.     Well, I just didn't notice an opinion in  
22    your report that said "Unfortunately, Prolift only  
23    has a 60 percent success rate."

24          A.     Prolift isn't perfect either, and again,

1 that's not the sentence. But I guess if I had said  
2 "The Prolift repairs have a success rate of X," I  
3 guess I could have put "unfortunately" in front of  
4 that. It's unfortunate that any surgical procedure  
5 is less than 100 percent, so I guess --

6 Q. But you didn't put that in your report,  
7 though, did you?

8 A. It looks like I didn't.

9 Q. In the paragraph -- and unfortunately,  
10 we don't have time to go through all the  
11 literature, but I do want to highlight some of it.

12 So, in your paragraph, your short  
13 paragraph about colporrhaphy --

14 A. Can you tell me where that is?

15 Q. It is on Page 4.

16 A. Okay.

17 Q. You state that high rates of recurrence  
18 of 30 percent or more have been reported with  
19 colporrhaphy, particularly in the anterior  
20 compartment. What's the recurrence in the  
21 posterior compartment in the literature?

22 A. I think that again, like most of these  
23 things that we are going to be discussing, there is  
24 going to be various series where the numbers are

1 going to vary slightly, but it's probably 20 to 30  
2 percent, especially if you follow these patients  
3 long enough.

4 That's actually, unfortunately, as you  
5 know, just not to lecture, but that's actually,  
6 unfortunately, one of the problems with our medical  
7 literature, is that a lot of these series, the  
8 followup is relatively short, so there is not  
9 enough papers looking at patients over a long  
10 enough period of time where the recurrence rates  
11 obviously go up, unfortunately.

12 Q. So it's your testimony that the failure  
13 rate of posterior -- native tissue posterior  
14 repairs is 20 to 30 percent?

15 A. Yes.

16 Q. Are you aware of any literature where  
17 posterior Prolift improves the failure rates in a  
18 posterior repair over native tissue?

19 A. I think -- I think some of the  
20 literature that's out there shows it to be  
21 equivalent. Again, I don't think there is a lot of  
22 great literature on long-term outcomes with the  
23 Prolift, but I don't know if it's better, to answer  
24 your question.

1 Q. So I want to look at some of the --  
2 before we look at some of the efficacy literature,  
3 let's mark this as the next exhibit.

4 (Bales Exhibit 7 was marked for  
5 identification.)

6 BY MS. THOMPSON:

7 Q. You are certainly aware that some  
8 doctors feel that mesh complications are more  
9 serious than native tissue repair complications,  
10 correct?

11 MR. MORIARTY: Objection, form.

12 A. I suspect there is some doctors who feel  
13 that way, sure, definitely.

14 Q. Do you know Linda Cardozo?

15 A. No.

16 Q. Do you know her name?

17 A. I know the name.

18 Q. I'm going to show you an e-mail from  
19 2005. When was the Prolift marketed, introduced  
20 into the market?

21 A. I think the end of 2005. I don't  
22 remember exactly. You might know better than me.  
23 I want to say it was sometime in 2005, towards the  
24 end of 2005.



1           Actually, here in my report -- let me  
2   familiarize myself. I'm sorry I don't remember  
3   everything exactly. It says it was introduced  
4   March 2005, so I think that's correct.

5           Q.     So, this e-mail is from August of 2005.

6           A.     August 2005, okay.

7           Q.     Do you have that e-mail in front of you?

8           A.     Which exhibit number is it?

9                   MR. MORIARTY: 7.

10          BY MS. THOMPSON:

11           Q.     This e-mail from Linda Cardozo states --  
12   and sent to various individuals, including Ethicon  
13   employees. Is that your understanding from looking  
14   at this e-mail?

15                   MR. MORIARTY: Objection.

16           A.     Yeah. I mean, again, you just handed it  
17   to me, so again, I'm not -- I'm trying to figure  
18   out --

19           Q.     Dr. Cardozo states that, "It's not that  
20   there were a lot of complications, it's severity  
21   and type of complications and these were just the  
22   perioperative ones. I still have major concerns  
23   regarding the erosion rate and possible problems  
24   with dyspareunia, and none of these have been

1 addressed in the data which we have been given to  
2 date."

3 Would you disagree with Dr. Cardozo that  
4 as of August 2005 that these problems had not been  
5 addressed?

6 A. I don't -- I apologize.

7 MR. MORIARTY: Objection. Go ahead.

8 A. I don't know Linda Cardozo. I don't  
9 want to opine on what this e-mail is exactly, but  
10 it sounds like she has some concerns, and she is  
11 entitled to have some concerns, but I don't know  
12 what she is citing, I don't know what complications  
13 she looked at. Again, it's hard for me to  
14 interpret what this is without more information.

15 Q. Dr. Bales, I didn't ask you to interpret  
16 what Dr. Cardozo was saying or what she was using.  
17 I'm asking you, would you disagree with the  
18 statement that the problems here discussed had not  
19 been addressed in the data provided to date in  
20 August of 2005?

21 MR. MORIARTY: Objection. Go ahead.

22 A. Yeah. In August 2005 I'm not aware of  
23 what we were discussing at that time, and that's  
24 the only reason. In order to agree or disagree, as

1 I said, I have to interpret this a little bit, and  
2 again, I just -- I don't remember what -- you know,  
3 what specific complications and such.

4 So, again, it's just hard for me to  
5 agree or disagree. Again, I'm not trying to be  
6 evasive, but it's just an e-mail, it's just so  
7 vague. I don't know what she is specifically  
8 referring to. She certainly has some concerns.

9 Q. I know she has concerns. I'm asking  
10 you. In August of 2005, shortly before you started  
11 using the Prolift, did you have any concerns?

12 A. Counsel, I have concerns about any  
13 surgical procedure I do.

14 Q. Well, you didn't have enough concern  
15 that prevented you from using the product, right?

16 MR. MORIARTY: Objection, form. Go  
17 ahead.

18 MS. THOMPSON: Well, if he would  
19 answer my questions it would be easier.

20 MR. MORIARTY: He is answering your  
21 questions. You may not like the answers.

22 MS. THOMPSON: Oh, I like the answers  
23 just fine.

24 MR. MORIARTY: Okay. So let's just --

1 BY MS. THOMPSON:

2 Q. Dr. Bales, you began using the Prolift  
3 in early 2006, I believe you said, correct?

4 A. I think that's correct.

5 Q. If you had had concerns like  
6 Dr. Cardozo, you wouldn't have used it, right?

7 MR. MORIARTY: Objection.

8 A. No. That's completely incorrect. And  
9 actually, if you look just a little further, she is  
10 even -- I mean, well, it's kind of funny. As I  
11 said, I don't want to try to interpret this too  
12 much because I've just said I can't, but if you  
13 read another sentence down, she said she wishes to  
14 avail herself of the training opportunity.

15 So -- so, it's funny. It's a little bit  
16 almost hypocritical. If we interpret this -- and  
17 as I said, I don't know her and I don't want to  
18 speculate, but it seems like she is saying, listen,  
19 I'm concerned that there is a lot of problems, but,  
20 hey, if we are going to do a -- if we are going to  
21 get started on a trial, I want to avail myself of  
22 that training opportunity.

23 So, I don't know. It seems almost it's  
24 a little disingenuous to say you're concerned and

1     then say but I want to get started using it. So  
2     that's why, again, it is hard for me to interpret  
3     this.

4           Q.     Was there any efficacy data when you  
5     began using that Prolift device in 2006?

6           A.     There is never -- any new procedure we  
7     do, there is never any real good efficacy data on  
8     any new procedure.

9           Q.     I want to go over some of the literature  
10    on the colporrhaphy and the efficacy, and I'm  
11    using -- I'm going to start with the Weber article  
12    that you cited in your report; and you are aware,  
13    Dr. Bales, that the Weber article from 2001 was  
14    re-analyzed with modern definitions of prolapse and  
15    success by Chmielewski, correct?

16          A.     Yes.

17          Q.     I'm curious why you cited the 2001 Weber  
18    article rather than the 2011.

19          A.     So, I guess if that's a question, again,  
20    it's impossible to cite every article that's out  
21    there, so I picked certain ones.

22                   MS. THOMPSON: And if you could mark  
23                   this as Exhibit No. 8. I just have two copies  
24                   of this, sorry.

1 (Bales Exhibit 8 was marked for  
2 identification.)

3 BY MS. THOMPSON:

4 Q. Are you familiar with this paper,  
5 Dr. Bales?

6 A. Yes.

7 Q. And let's just go to the conclusions,  
8 and could you read the last paragraph for us.

9 A. Would you like me to read the entire  
10 last paragraph?

11 Q. Um-hmm?

12 A. Starting "In conclusion"?

13 Q. Um-hmm.

14 A. "In conclusion, this study provides  
15 further evidence that success after prolapse  
16 surgery depends heavily on the criteria that are  
17 used to define treatment success. In the  
18 frequently cited study by Weber, et al., when  
19 strict anatomic criteria were used, success was  
20 low. However, when contemporary, clinically  
21 relevant criteria for success were used, treatment  
22 success was considerably better, with only 11  
23 percent of subjects experiencing anatomic  
24 recurrence beyond the hymen, 5 percent of subjects

1 experiencing symptomatic recurrence, and no  
2 subjects requiring surgery for recurrence or  
3 complications at one year.

4 "Given this and the excellent safety  
5 profile of traditional vaginal prolapse surgery,  
6 we conclude that anterior colporrhaphy that is  
7 performed in conjunction with other native tissue  
8 repairs is appropriate as a primary treatment of  
9 symptomatic anterior vaginal prolapse."

10 Q. And my question is, why did you cite the  
11 Weber paper in 2001 when this paper is more recent  
12 and more authoritative?

13 MR. MORIARTY: Objection, form and  
14 asked and answered. Go ahead.

15 Q. Well, let me just say, is your -- is  
16 your -- the reason that you didn't use this paper  
17 is you just can't cite everything? I think that  
18 was your answer before. Is that it --

19 A. Yeah --

20 Q. -- why you chose the old paper?

21 A. Yeah, I apologize. I chose -- I tried  
22 to choose a appropriate synopsis of a variety of  
23 different things. I'm sure there are other papers  
24 that I missed that might be more current or what

1 have you. But again, there is a lot of literature  
2 that's out there. I had to cite certain things.

3 Q. And you will certainly agree with me  
4 that a 5 percent symptomatic recurrence and no  
5 subjects requiring additional surgery is very  
6 different from the recurrence of 30 percent or more  
7 that you cite in your paper, right?

8 A. So you are asking if 30 is different  
9 than 5, and the answer is yes, 30 is different than  
10 5.

11 Q. And you believe that you reported  
12 objectively on the success rates with colporrhaphy?

13 A. Yes. I think this paper, actually, this  
14 later information actually is somewhat of an  
15 anomaly; and I think most -- most papers and again,  
16 there is, you know, lots of data and lots of  
17 studies that aren't cited here, would suggest that  
18 the number is higher than 5 percent. And again,  
19 there is going to be a variety based on the paper.

20 Q. Okay. Well, let's go to one of the  
21 other papers that you cited and Fed Ex'd. I  
22 thought this one was apparently really important,  
23 and I just have two copies of this one, I'm sorry  
24 to say.



1                   We will mark that as the next exhibit,  
2    9, and you are familiar with this paper because you  
3    cite it in your paper, in your report, right?

4           A.     Yeah. Peter --

5                   MR. MORIARTY: It's so big you can  
6    hardly miss it.

7                   MS. THOMPSON: The first paper was  
8    that -- I have two of these that are large  
9    size. The first one was from Duke. I thought  
10   they just thought it was from Duke that it was  
11   important.

12                  THE WITNESS: These guys work with us.  
13   They are part of the University of Chicago  
14   now, Peter Sand and Roger Goldberg and Janet  
15   Tomezsko.

16                   (Bales Exhibit 9 was marked for  
17                   identification.)

18   BY MS. THOMPSON:

19           Q.     I actually want to turn your attention  
20   to that discussion of this paper --

21           A.     Okay.

22           Q.     -- by Dr. Shull. Do you know Dr. Shull?

23           A.     I don't.

24           Q.     Have you seen Dr. Shull cited in Ethicon

1 documents frequently?

2 A. I think I'm familiar with that name. He  
3 is not a urologist; he is a urogynecologist. I  
4 think I have seen the name.

5 Q. And have you looked at his comment  
6 regarding Dr. Sand's paper, you will see that, I'm  
7 going to read to you from the comment, "They knew  
8 from their own experience as well as the experience  
9 of other surgeons that the use of nonabsorbable  
10 mesh is associated with an unacceptably high rate  
11 of complications. This is not surprising when one  
12 considers operating in a clean-contaminated field,  
13 the vagina."

14 And this paper used an absorbable mesh,  
15 correct, not polypropylene?

16 MR. MORIARTY: Objection, form. Go  
17 ahead.

18 A. Yeah, I guess I'm just -- you just  
19 read --

20 Q. Did this paper use absorbable mesh?

21 A. Yes, correct.

22 Q. Okay. And did Dr. Shull describe --  
23 well, I'm going to read you something. Tell me if  
24 this is what the paper states. "In our most recent

1 series of over 300 women" --

2 MR. MORIARTY: I'm sorry. Can you  
3 please tell us what you are reading from?

4 MS. THOMPSON: Several factors are  
5 related to long-term outcome.

6 MR. MORIARTY: We need to know where  
7 you are reading from.

8 MS. THOMPSON: I'm telling you. In  
9 the comments section it says several factors  
10 are related to long-term outcome, and I'm  
11 reading from number one.

12 BY MS. THOMPSON:

13 Q. "In our most recent series of greater  
14 than 300 women in whom we specifically repaired the  
15 transverse portion of the pubocervical fascia,  
16 along with other defects, the rate of anterior  
17 compartment persistence or recurrence was 7 percent  
18 for prolapse halfway to the hymen and 2 percent for  
19 prolapse to the hymen. We used no mesh."

20 You will agree with me that a success  
21 rate of 7 percent halfway to the hymen and 2  
22 percent for prolapse to the hymen with a native  
23 tissue repair is significantly less than the 30  
24 percent that you cited in your expert report,

1 correct?

2 MR. MORIARTY: Objection, form.

3 A. I think 30 percent is a more accurate  
4 representation of what the experience is nationwide  
5 for sure, as you just read.

6 Dr. Shull is a very accomplished  
7 urogynecologist who I don't know personally, but  
8 he is citing his own work, and he obviously gets  
9 excellent results with his native tissue repair.

10 I'm not sure how long these patients  
11 were followed, but he cites 7 percent in his  
12 experience, and 7 percent is a lower number than  
13 30 percent.

14 MS. THOMPSON: I've just handed  
15 another paper. Would you mark this as Exhibit  
16 No. 9.

17 MR. MORIARTY: 10.

18 (Bales Exhibit 10 was marked for  
19 identification.)

20 BY MS. THOMPSON:

21 Q. Dr. Bales, are you familiar with  
22 Exhibit 10, a paper by Funk and Visco?

23 A. Yes.

24 Q. And this paper looked at 27,809 anterior

1 prolapse surgeries. The 5-year risk of surgery for  
2 recurrent prolapse was similar between vaginal mesh  
3 and native tissue groups with 10.4 percent  
4 recurrent with mesh and 9.3 recurrent with native  
5 tissue. You will agree that those numbers are  
6 significantly less than the 30 percent that you  
7 cited in your expert report, correct?

8 A. Yes.

9 Q. And that there was -- in this paper of  
10 27,000-plus patients, there was no difference  
11 between mesh and native tissue repairs, correct?

12 A. Yes, it looks like they are, right,  
13 essentially similar.

14 MS. THOMPSON: And Exhibit No. 11.

15 (Bales Exhibit 11 was marked for  
16 identification.)

17 BY MS. THOMPSON:

18 Q. Are you familiar with this paper by  
19 Dr. Oversand?

20 A. Yes.

21 Q. And Dr. Oversand had a satisfaction rate  
22 of 94 percent of patients with native tissue  
23 anterior repairs and a 5-year reoperation rate of  
24 2.6 percent in one group and 8.9 percent in the

1 other group and concluded that POP surgery using  
2 native tissue repair entails low reoperation rates  
3 with excellent subjective and objective results and  
4 should be the primary -- should be the first choice  
5 in treating primary POP providing use of adequate  
6 surgical technique as was published in 2013.

7 That's certainly different from what you  
8 cited in your expert report, correct?

9 MR. MORIARTY: Objection, form.

10 A. Again, the numbers are lower in this  
11 paper in terms of the recurrence rates, yes.

12 MS. THOMPSON: And Exhibit No. 12.

13 (Bales Exhibit 12 was marked for  
14 identification.)

15 BY MS. THOMPSON:

16 Q. Are you familiar with this paper,  
17 Dr. Bales?

18 A. Yes.

19 Q. And this is the three-year followup on  
20 Dr. Iglesia's original Prolift study, correct?

21 A. Yes. I'm just trying to see if they are  
22 all Prolift people, to make sure on the methods.

23 Yes, okay.

24 Q. And you are aware that this study was

1 halted prematurely because of 15.6 percent mesh  
2 erosion rate which exceeded their predetermined  
3 limit, correct?

4 A. Yes, it is prematurely halted.

5 Q. And -- but they continued to follow the  
6 patients for efficacy, correct?

7 And these authors concluded that there  
8 was no difference in three-year cure rates when  
9 comparing patients undergoing traditional vaginal  
10 prolapse surgery without mesh with those undergoing  
11 vaginal colpopexy repair with mesh, correct?

12 A. Right. You can read their conclusion.  
13 They saw no difference.

14 Q. And this paper wasn't included in your  
15 expert report, was it?

16 A. I don't think so.

17 Q. And it is still your opinion that  
18 colporrhaphy has a recurrence of over 30 percent  
19 and that mesh repairs are preferable?

20 MR. MORIARTY: Objection, form.

21 A. It's my opinion that, yeah, anterior  
22 recurrence rates are as high as 30 percent.

23 Q. Or you said 30 percent or more, not as  
24 high as 30 percent.

1           A.       As high as 30 percent or more than 30  
2     percent.

3           Q.       So your opinion is the recurrence, high  
4     rates of recurrence of 30 percent or more with  
5     colporrhaphy?

6           A.       Yes. If you follow patients long  
7     enough, yes, I believe that's an accurate  
8     statement, even though there is certainly papers  
9     that we can tease out of the literature, as we are  
10    doing, that show the recurrence rate is lower.

11          Q.       But you didn't mention any of those  
12    articles in your expert report, correct?

13          A.       The bibliography on the expert report,  
14    as you've stated now several times, did not include  
15    every single paper in the literature.

16          Q.       And I'm actually using many of your  
17    papers that you just took the information that was  
18    favorable to your opinions, correct?

19          A.       I appreciate that very much, counsel.

20          Q.       Correct?

21          A.       Correct.

22                   MS. THOMPSON: Another big one,  
23     Exhibit 13.

24                   (Bales Exhibit 13 was marked for



1 identification.)

2 BY MS. THOMPSON:

3 Q. We are going to go to the next paragraph  
4 in your report.

5 MR. MORIARTY: Well, wait. Are you  
6 asking him about 13 or his report? Because I  
7 want to take a second to look at this.

8 MS. THOMPSON: Sure, go ahead. This  
9 is applicable to the next paragraph, but feel  
10 free to take a look at it.

11 And I didn't realize this article was  
12 highlighted. I apologize for that.

13 BY MS. THOMPSON:

14 Q. Dr. Bales, are you familiar with this  
15 paper from Duke published in 2000?

16 A. Yes.

17 Q. It's titled "Vaginal mesh erosion after  
18 abdominal sacrocolpopexy." In your last paragraph  
19 you say, "Due to the shortcomings associated with  
20 these native tissue surgical repairs, surgeons  
21 began using mesh for the treatment of POP. It  
22 started with the use of mesh in ASC. After that,  
23 in the 1990s, pelvic surgeons began to use mesh  
24 transvaginally, in order to take advantage of the

1 fewer complications which result from the use of  
2 that approach."

3           You didn't cite anything for that  
4 opinion that pelvic surgeons were using mesh  
5 transvaginally to take advantage of fewer  
6 complications. I wanted you to look at the Visco  
7 paper that did use mesh transvaginally, and  
8 Dr. Visco and his colleagues found an unacceptable  
9 rate of erosion when they used transvaginal mesh,  
10 correct?

11           MR. MORIARTY: Objection, form.

12           A. I think --

13           Q. I'm reading. "In conclusion, both  
14 abdominal sacral colpopexy and abdominal-only  
15 sacral colpoperineopexy appear to have a low and  
16 comparable rate of vaginal mesh erosion."

17           Their erosion rate was 5.5 percent  
18 overall, 3.2 percent in the abdominal  
19 sacrocolpopexy group.

20           "Vaginal placement of mesh results in  
21 an unacceptably high rate of mesh erosion and a  
22 shorter time to erosion than any other form of  
23 vault suspension in this study."

24           And these authors abandoned the use of

1 transvaginal mesh because of the high exposure  
2 rate, correct?

3 MR. MORIARTY: Objection, form.

4 A. The comparison here, though, was --

5 Q. Just answer my question. They abandoned  
6 the use of transvaginal mesh because of the high  
7 exposure rate, correct?

8 MR. MORIARTY: One of my objections  
9 was form because your question was several  
10 minutes long, so I'm not sure what the  
11 question was.

12 BY MS. THOMPSON:

13 Q. The question is short. These authors  
14 abandoned the use of transvaginal mesh because of  
15 the high complications rate, correct?

16 MR. MORIARTY: Objection.

17 A. Does it say it here? Does it say they  
18 abandoned it? I don't see that it says they write  
19 "we have abandoned use of mesh." So, I'm not sure  
20 how we -- and again, I'm not reading it. Did they  
21 say they've abandoned? If they say they have,  
22 then I guess we could take that at face value, but  
23 I'm not sure it says it here. So, why do you think  
24 they have abandoned it?

1           They are comparing it with the abdominal  
2   sacral colpopexy and they say that it is a higher  
3   rate of mesh erosion compared to the abdominal  
4   sacral colpopexy and the sacral colpoperineopexy,  
5   but I don't see anything about them abandoning  
6   anything.

7           Q.     While I'm finding that, the authors  
8   thought that mesh erosions may be the only clinical  
9   manifestation of a bacterial contamination. If  
10   this is true, it supports our finding that the rate  
11   of mesh erosion was found to be higher in  
12   operations with vaginal mesh compared with those in  
13   which vaginal sutures were placed, and this may be  
14   explained by a greater exposure of the mesh  
15   material to the vaginal floor of the vaginal mesh  
16   group.

17                   Did I read that correctly?

18           A.     You read that exactly. You read --  
19   those three sentences were exactly how it's stated  
20   here.

21           Q.     And when was Gynemesh PS introduced to  
22   the market?

23           A.     You will have to refresh my memory  
24   specifically. I don't remember the exact date.

1 Q. Was it 2002? Does that sound right?

2 A. That sounds right.

3 Q. I'm interested in your opinion on Page 5  
4 that Prolift --

5 A. To clarify the sentence we just said, it  
6 looks like January 2002.

7 Q. And I'm reading your opinion. "The  
8 Gynecare Prolift pelvic floor system delivered  
9 pre-cut Gynecare Gynemesh PS polypropylene mesh to  
10 essentially recreate the normal anatomic pelvic  
11 floor."

12 Is it your opinion --

13 A. I apologize. Where on 5 is that? Just  
14 so I'm reading with you, where is it?

15 Q. "With this goal in mind" paragraph.

16 A. Okay. I got it.

17 Q. Is it your opinion that Prolift  
18 recreates the normal anatomic pelvic floor?

19 A. That's the goal. That's what we try  
20 to -- try to approximate. I don't think --

21 Q. Does Prolift recreate the normal  
22 anatomic pelvic floor?

23 A. Yes. That's -- you are attempting to do  
24 that. You are attempting to put everything back in

1 position and create the normal anatomy, that the  
2 bladder is back up in position, the enterocele is  
3 corrected and the rectocele, so yes, that's the  
4 goal.

5 Q. I didn't ask if that's the goal. I  
6 asked does Prolift recreate the normal anatomic --

7 A. Yes. And let me, I'm just going to add,  
8 there is no surgical procedure that everything then  
9 is a postoperative situation, so you can't take  
10 something that's virgin and do any kind of surgery  
11 on it and truly say that it's exactly the same.  
12 So, let's just make that clarification. So, you  
13 can make the anatomy normal, but it is still a  
14 postoperative situation. That's the only  
15 clarification I will add.

16 MS. THOMPSON: And I will object as  
17 nonresponsive.

18 Exhibit 14.

19 (Bales Exhibit 14 was marked for  
20 identification.)

21 BY MS. THOMPSON:

22 Q. Is this a document that you have seen,  
23 Dr. Bales?

24 A. If this date is correct, it was from

1 August 1998. I may have seen it. I can't say 100  
2 percent.

3 Q. And this was prior to the introduction  
4 of Gynemesh PS for transvaginal use in prolapse,  
5 correct?

6 A. Yes, it looks that way.

7 Q. And if you will go to the introduction,  
8 will you read the second -- beginning in this  
9 response to this Gynemesh paragraph and then the  
10 bullet points underneath.

11 A. "In response to this Gynemesh, a  
12 Prolene (polypropylene) mesh for repair of anterior  
13 prolapse was launched in June. At this time it was  
14 recognized that Prolene is far from being the ideal  
15 material for this indication. However, it was  
16 decided that the Gynecare Division should launch  
17 this product for the following reasons: To raise  
18 awareness of the possibility of using a mesh for  
19 prolapse repair." Next bullet point, "To gain  
20 entry into this growing market before competitors;  
21 to spend time seeking out key surgeons as product  
22 champions and to allow time to carry out further  
23 market research into what the ideal product for  
24 this indication might be."

1 Q. Is there a bullet point about improving  
2 outcomes for patients?

3 A. No.

4 Q. Did Ethicon at this time have any  
5 information that Gynemesh would improve outcomes  
6 for patients?

7 A. I don't know.

8 Q. If they did, it certainly wasn't  
9 mentioned in this document, in the introduction of  
10 this document, correct?

11 A. It's not mentioned in the introduction  
12 of this document.

13 Q. Going to your discussion of the efficacy  
14 of Prolift in the anterior compartment you --

15 A. What page are we on?

16 Q. 5, going into 6.

17 A. Okay.

18 Q. You provide a chart listing some of the  
19 trials with polypropylene mesh and compared with  
20 native tissue repairs, correct?

21 A. Yes.

22 Q. And this chart only reflects anatomic  
23 cure in the anterior compartment, correct?

24 A. That's correct.



1 Q. And the author of the paper in which  
2 this chart was extracted is Dr. Jacquetin, right?

3 A. Yes, okay.

4 Q. And Dr. Jacquetin is a patent holder for  
5 Prolift, correct?

6 A. I don't know, I don't know.

7 Q. You don't know that Dr. Jacquetin and  
8 the TVM group?

9 A. I don't know him.

10 Q. Okay. Are you aware that Jacquetin is a  
11 consultant for Ethicon?

12 A. I know that name.

13 Q. It's your opinion -- I'm skipping over  
14 to Page 7 --

15 A. Page 7, okay.

16 Q. -- that the only unique risk with  
17 Prolift or Gynemesh PS is mesh exposure and  
18 erosion, which was well-known to surgeons. Is that  
19 your opinion?

20 A. Yes.

21 Q. That the only unique risk is exposure  
22 and erosion?

23 A. Unique risk.

24 MR. MORIARTY: We have been going an

1 hour and a half. Ready for a break?

2 MS. THOMPSON: Sure, take a break.

3 (Recess taken, 9:32 - 9:41 a.m.)

4 MS. THOMPSON: Back on.

5 BY MS. THOMPSON:

6 Q. I had asked earlier, Dr. Bales, your  
7 opinion that the only unique risk is mesh exposure  
8 and erosion, and for that opinion you cited the  
9 Abed paper from 2011, correct?

10 A. I did.

11 MS. THOMPSON: And we will mark this  
12 as Exhibit 15.

13 (Bales Exhibit 15 was marked for  
14 identification.)

15 BY MS. THOMPSON:

16 Q. And this paper is titled "Incidence and  
17 management of graft erosion, wound granulation and  
18 dyspareunia following vaginal prolapse repair with  
19 graft materials: a systematic review."

20 Why did you not include the dyspareunia  
21 that's discussed in this paper when you cited it as  
22 your support for the only unique risk with Prolift  
23 or Gynemesh PS is mesh exposure and erosion?

24 A. Well, that sentence is as stated. I'm

1 just discussing the unique risk associated with  
2 having the mesh, and you know, in other areas we  
3 talk about dyspareunia rates and the first  
4 paragraph discusses dyspareunia rates and such.  
5 So, I didn't include every part of this paper.

6 Q. Does this paper state that the only  
7 unique risk with Prolift or Gynemesh PS is exposure  
8 and erosion?

9 A. I don't know if that exact verbiage is  
10 used in this paper. I would have to refresh my  
11 memory.

12 Q. Well, obviously it wouldn't because it  
13 discusses graft erosion, wound granulation and  
14 dyspareunia following prolapse with graft  
15 materials, right?

16 A. Right, and my point in writing my report  
17 is that those other type complications can be seen  
18 with or without the presence of mesh, which is one  
19 of the reasons. Again, we describe the unique risk  
20 being the presence of the mesh and the exposure and  
21 the erosion, so I guess just to clarify that.

22 Q. But you have already said that the  
23 rates, the incidence, the severity, the permanence  
24 and responsiveness to treatment are all important

1 when you are talking about adverse events or  
2 complications, right?

3 A. Yes, it's all important.

4 Q. And at least in this review, the  
5 dyspareunia rate associated with graft materials  
6 was 9.1 percent, correct?

7 A. That's correct.

8 Q. We were talking also about Jacquetin,  
9 who is an Ethicon consultant, and I will represent  
10 to you that he is a patent holder on Prolift.

11 MR. MORIARTY: Is this one for me or  
12 is this the only one?

13 MS. THOMPSON: Some of these I just  
14 have two copies of, I apologize.

15 MR. MORIARTY: Are you marking it?

16 MS. THOMPSON: Yeah, I will go ahead  
17 and mark it.

18 THE WITNESS: So I guess we are up to  
19 16.

20 (Bales Exhibit 16 was marked for  
21 identification.)

22 BY MS. THOMPSON:

23 Q. Are you familiar with this paper,  
24 Doctor --

1 A. Yes.

2 Q. -- Bales? And actually, which did I  
3 give you?

4 A. You have too many papers.

5 Q. I do. I actually meant to give you a  
6 different one, but we will go ahead and talk about  
7 this one. This is a paper, the 2013 --

8 A. 2009.

9 Q. This is the 2010 Jacquetin paper, the  
10 three-year followup.

11 And you will agree with me, in this  
12 paper the anatomical failure rate was 20 percent at  
13 three years, correct, in the results section?

14 A. Correct. You are reading right from the  
15 paper.

16 Q. Yep. And Dr. Jacquetin found that,  
17 listing results of the abstract summary, correct,  
18 listed that or stated that a significant number of  
19 patients, 41 percent, ceased sexual activity by  
20 three years, correct?

21 A. That's what his results were.

22 Q. And that de novo dyspareunia was  
23 reported by 8.8 percent, correct?

24 A. Correct.

1 Q. And that would be consistent also with  
2 the paper we just looked at previously, at the Abed  
3 paper, correct?

4 MR. MORIARTY: Objection. Are you  
5 just talking about the dyspareunia rate?

6 MS. THOMPSON: Just the dyspareunia.

7 Sorry.

8 A. Yes.

9 Q. If we go to the Jacquetin 2013 paper --  
10 we will mark this one too, 17. I think you are  
11 familiar with this one because it is cited in your  
12 expert report, correct?

13 A. Correct.

14 (Bales Exhibit 17 was marked for  
15 identification.)

16 BY MS. THOMPSON:

17 Q. And this Jacquetin paper with the  
18 followup of the TVM, total transvaginal mesh  
19 series, this is the one that your chart was derived  
20 from, correct?

21 A. Yes.

22 Q. And in this paper, in the results  
23 section of the abstract, Dr. Jacquetin reports 16  
24 percent with mesh exposure for which 8 resections

1 needed to be performed, 7 exposures still ongoing  
2 at the 5-year endpoint, all asymptomatic, correct?  
3 I'm reading that correctly?

4 A. You are reading that correctly, yes.

5 Q. And only 33 out of 61, 54 percent,  
6 sexually active patients at baseline remained so at  
7 5 years in his study, correct?

8 A. That's correct.

9 Q. And de novo dyspareunia was reported by  
10 10 percent, correct?

11 A. That's correct.

12 Q. And you are aware that Jacquetin also  
13 published a paper based on the experience titled  
14 "Complications of Vaginal Mesh"?

15 A. Do you have it? Did you want to go over  
16 it?

17 Q. I need a helper.

18 A. Maybe this young fella.

19 MS. THOMPSON: It is just a short  
20 paper. I do have one additional copy, and we  
21 will mark that as Exhibit 18.

22 (Bales Exhibit 18 was marked for  
23 identification.)  
24

1 BY MS. THOMPSON:

2 Q. Do you need a moment to look at that, or  
3 are you familiar with this paper?

4 A. Yeah, I'm familiar. I'm skimming it  
5 over, but if I need more time I won't answer your  
6 question and I will ask for a few more minutes, but  
7 you can ask your question.

8 Q. This paper is based on Jacquetin's  
9 experience with removal of 160 explant -- implants,  
10 correct?

11 A. I will need just a second to confirm  
12 that number.

13 Yeah, I mean, it seems that he is just  
14 discussing more broadly everything about some of  
15 his experiences and citing some other work, but  
16 then on Page 895 he discusses that the French  
17 experience is 160 implants that were removed by his  
18 group, yep.

19 Q. And under the complications he lists  
20 infections, correct, on Page 894?

21 A. Correct.

22 Q. And he lists exposures and erosions,  
23 correct?

24 A. Yep.



1 Q. And he lists retractions, correct?

2 A. That's correct. We are reading, yes,  
3 those are the three things.

4 Q. And he describes the average shrinking  
5 of 25 to 30 percent in experimental surgery, and it  
6 may reach 40 percent of the initial surface of the  
7 implant in patients after surgery.

8 MR. MORIARTY: Is that a question?

9 Q. And therefore, many surgeons will use  
10 large implants to cover defects and anticipate  
11 scarring, shrinkage and puckering. Is that what  
12 Dr. Jacquetin describes in this paper?

13 MR. MORIARTY: Objection, form.

14 Q. Did I read it correctly?

15 A. I think that bullet point you read  
16 exactly, so that's what he has written here, yeah.

17 Q. And we will talk about your opinions on  
18 shrinkage in a minute, but at least Dr. Jacquetin  
19 listed that retraction as a complication of the  
20 mesh devices he studied, correct?

21 A. Sure, and you left out -- right, and he  
22 describes on a rat's abdominal wall and then he is  
23 guesstimating based -- he says it may reach  
24 40 percent on patients. So, it sounds like at

1 least on the experimental side it's on the rat's  
2 abdominal wall, but you read the rest of the  
3 sentence accurately.

4 Q. So, you think when he says -- sorry.  
5 So, you think when he says, therefore, many  
6 surgeons will use large implants to cover defects  
7 and anticipate scarring, shrinkage and puckering he  
8 is talking about rat surgeons?

9 MR. MORIARTY: Objection, form.

10 MS. THOMPSON: Well, I'm just asking  
11 if that's what he meant, what he said.

12 MR. MORIARTY: You asked him if you  
13 read that exactly, and you didn't. You  
14 skipped the part about the rats, so he was  
15 just pointing out what you skipped.

16 MS. THOMPSON: I don't think I did.

17 MR. MORIARTY: That's why I objected  
18 to form. You skipped the part about the rats.

19 MS. THOMPSON: Well, I didn't intend  
20 to skip.

21 BY MS. THOMPSON:

22 Q. You don't think the second sentence is  
23 applying to rats, do you, Dr. Bales?

24 A. Well, the second sentence specifically

1 says patients; the first sentence definitely says  
2 rats. So, I guess that was the only clarification.

3 Q. So you think the 40 percent would refer  
4 to patients, human patients, right?

5 A. Well, again, I mean, he is not citing  
6 any specific study here. It sounds like he is  
7 surmising it may reach. I don't --

8 Q. But he is talking about humans, right?

9 A. He says in patients, so I would assume  
10 that means patients.

11 Q. And when he says many surgeons will use  
12 large implants to cover defect and anticipate  
13 scarring, shrinking and puckering, he is talking  
14 about human patients also; agree?

15 A. I suspect, although again, it's a very  
16 general statement, and I'm not sure which surgeons  
17 he is referring to or anything, how large. I mean,  
18 it's just kind of a very general statement. I  
19 imagine he is referring to surgeons operating on  
20 humans. I don't want to over-infer.

21 Q. Okay. I want appreciate that.

22 (Mr. Jake Plattenberger entered the  
23 deposition proceedings.)

24 MR. MORIARTY: Can we help you?

1 MR. DAVIS: He is with me.

2 BY MS. THOMPSON:

3 Q. Going back to your report, Dr. Bales, on  
4 page -- the bottom of Page 7, let's go to Page 7,  
5 in the first paragraph, dyspareunia rates were very  
6 acceptable. What is an acceptable dyspareunia rate  
7 for you following any type of surgery?

8 A. Well, obviously, it would be better  
9 certainly for patients not to have dyspareunia, but  
10 any -- I guess we all have a different opinion.

11 I'd tell you my opinion would be any  
12 type of vaginal surgery we are doing, if we are  
13 getting dyspareunia rates under 10 percent, it's  
14 probably very acceptable. But again, that's very  
15 sort of general, and again, a lot of patients, as  
16 we just cited on some of the previous studies,  
17 don't remain sexual active. A fair majority of the  
18 patients aren't sexual active.

19 But to answer your question, I guess  
20 anywhere in the low teens to less than 10 percent  
21 would be acceptable for a vaginal surgical  
22 procedure like this.

23 Q. And you would agree that there is a  
24 likelihood that at least some of those patients who

1 are no longer sexually active and are not included  
2 in the study are not sexually active because of  
3 pain, correct, for whatever reason?

4 A. It could be. It's hard to say.

5 Q. But it would be reasonable to assume  
6 that, correct?

7 A. I don't like to assume, but for whatever  
8 reason, patients sometimes aren't sexually active.

9 Q. Become not sexually active after  
10 Prolift, correct?

11 A. Sure. The studies bear that out.

12 MS. THOMPSON: Number 19.

13 (Bales Exhibit 19 was marked for  
14 identification.)

15 BY MS. THOMPSON:

16 Q. And this is the Lowman paper that you  
17 cited in your report, correct?

18 A. Yep.

19 Q. And Dr. Lowman looked specifically at  
20 dyspareunia with Prolift, correct?

21 MR. MORIARTY: Objection.

22 Q. Well, the title is "Does the Prolift  
23 system cause dyspareunia," correct?

24 A. Yeah. This was, it looks like, a chart

1 review. They went back, and they were trying to  
2 assess dyspareunia rates.

3 Q. And Dr. Lowman is a consultant for  
4 Ethicon; would you agree with that?

5 A. I have no knowledge of him being a  
6 consultant of Ethicon. He may or may not be.

7 Q. I believe it is a she.

8 A. A she. "Joy" is probably a better  
9 female name, so I should --

10 Q. Or maybe it's not. I'm not sure.

11 And Dr. Lowman has a chart on Page 707e4  
12 that lists the rates after various pelvic organ  
13 prolapse procedures of de novo dyspareunia,  
14 correct?

15 A. Sure. Which chart is it, which one?

16 Q. Page 707e4.

17 A. Table 4, I got it. Table 4, you mean?

18 Q. Correct. And did you go back and look  
19 at these articles to see if those numbers were  
20 correct?

21 A. To see what numbers are correct?

22 Q. The numbers that she provided in this  
23 table for the other procedures.

24 A. Did I recheck her work?

1 Q. Did you look at the articles that she  
2 cited in Table 4?

3 A. So, when I read over the articles, I  
4 don't always look at all the cited articles  
5 within -- that are embedded within the article.  
6 Sometimes I do and sometimes they were previously  
7 cited and are in part of the list.

8 Q. So the answer is no. I mean, that's  
9 okay. Did you look at the articles that were cited  
10 in Table 4?

11 A. Yeah. I don't remember looking at each  
12 and every one, but I may have skimmed through them  
13 and I may have.

14 Q. Well, let's just look at one of them,  
15 the Weber paper on anterior/posterior colporrhaphy.  
16 Okay?

17 A. Okay. Whatever you want.

18 MS. THOMPSON: And that's Exhibit 20.

19 (Bales Exhibit 20 was marked for  
20 identification.)

21 BY MS. THOMPSON:

22 Q. And this study cited by Dr. Lowman in  
23 her paper looks at sexual function after native  
24 tissue prolapse repairs, correct?

1           A.       Yes. I mean, it looks at sexual  
2       function and vaginal anatomy, assessing sort of  
3       both those things, vaginal dimensions and such.

4           Q.       And Dr. Weber looked at dyspareunia  
5       before and after surgeries, correct?

6           A.       Yes. It's a questionnaire, obviously,  
7       right? You don't see that. You ask the patients,  
8       and it looked like patients reported preoperatively  
9       and then postoperatively.

10          Q.       And are you aware that in this paper  
11       dyspareunia was persistent in only one of the 14  
12       women?

13                   MR. MORIARTY: Objection.

14          Q.       You can go ahead and look at the paper  
15       if you want to. I'm reading dyspareunia was  
16       persistent in one woman on Page 1612.

17          A.       Yeah, I mean in the interest of time, I  
18       mean, it would be nice to study this a little more  
19       closely, but it looks like there were six patients  
20       who on their preoperative questionnaire had  
21       dyspareunia, and one of those six  
22       postoperatively -- again, these were the patients  
23       who reported dyspareunia preoperatively -- one of  
24       the six it was maintained, persisted.



1 Q. And if you use that statistic, 1 out of  
2 75 would be 1.3 percent, correct?

3 MR. MORIARTY: Objection. Go ahead.

4 A. One out of 75 is 1.3 percent?

5 Q. Correct.

6 A. Yeah, that's mathematically correct.

7 Q. So would you agree with me that  
8 Dr. Lowman saying that the dyspareunia rate of 19  
9 point -- 19.0 percent is really accurate?

10 MR. MORIARTY: Objection, form.

11 A. Where did you get the 75 a moment ago?

12 Q. There is 75 patients in the study.  
13 Dr. Lowman says 14 of 75 have de novo post-op  
14 dyspareunia. What she doesn't mention, that only  
15 one of those had persistent dyspareunia, correct?

16 A. Yeah, but it developed it, so 14 had new  
17 dyspareunia.

18 Q. But all resolved spontaneously, correct,  
19 except for one?

20 MR. MORIARTY: Objection.

21 A. Well, there was only 6. Of those 6  
22 patients, 5 of the 6, so at least in this study,  
23 they apparently resolved.

24 Q. Okay. So only 1 out of 75 ended up with

1 persistent dyspareunia, correct, after native  
2 tissue repairs?

3 A. Well, not really. You are comparing  
4 apples and oranges. I mean, the first group, it's  
5 a different subset of patients. If you report the  
6 6 who had dyspareunia beforehand, so in that group  
7 5 out of 6, which is about 83 percent, resolved; 1  
8 out of 6, so 16.66 percent, persisted.

9 So, if you look at that subset, and then  
10 it's apples and oranges, you can't lump them all  
11 together. The patients who didn't have  
12 dyspareunia, then you can look at their dyspareunia  
13 rates after surgery, but I don't think it's fair to  
14 use the -- you are mixing up the numerator and the  
15 denominator there, I think.

16 Q. I am looking at Dr. Lowman who says that  
17 14 of the 75 patients in Dr. Weber's study had  
18 de novo post-op dyspareunia. I'm just saying how  
19 many of those patients had persistent dyspareunia.

20 A. Well, yes, those --

21 Q. Out of 75 according to Dr. Lowman?

22 A. Correct. So, it looks like 14 out of  
23 75, it was not persistent. It started after the  
24 procedure, yes, I would agree with that, if that's

1 what you are saying.

2 Q. Persistent doesn't mean it starts after  
3 the procedure. Persistent means it lasts beyond  
4 the term of the study, correct?

5 A. Well, in this and how it's used here is  
6 the dyspareunia that was present before the  
7 surgery, that's the persistence that Dr. Weber is  
8 talking about in this paper.

9 Q. Okay. It says, reading from Page 1611,  
10 "With dyspareunia defined as pain with sexual  
11 activity occurring usually or always, the  
12 prevalence was 8 percent before surgery, 6 of 80  
13 women, and 19 percent after surgery, 15 of 80.  
14 Dyspareunia was persistent in one woman, developed  
15 as a new symptom in 14 and resolved in 5."

16 So, Dr. Lowman's numbers of 19 -- or 14  
17 out of 75 are incorrect, right?

18 MR. MORIARTY: Objection.

19 A. No. How is that incorrect? That's  
20 exactly what's reported here.

21 Q. We will just disagree on that one.

22 A. I mean, de novo means it started, so it  
23 developed in 14, 14 in the 75. That's what's  
24 reported there. But I'm happy to disagree. If you

1 want to agree to disagree, that's fine, but I think  
2 those numbers are exactly right.

3 Q. Is it your opinion that the dyspareunia  
4 that's known to occur with vaginal mesh procedures  
5 is no different from dyspareunia that occurs in  
6 native tissue repairs in regards to rates,  
7 severity, permanence and responsiveness to  
8 treatment?

9 MR. MORIARTY: Objection to form.

10 A. Can we repeat that back, please? I'm  
11 sorry.

12 Q. Is it your opinion that the dyspareunia  
13 that occurs with mesh repairs as reported in the  
14 literature is no different from dyspareunia  
15 occurring after native tissue repairs when you  
16 consider rates, severity, responsiveness to  
17 treatment and permanence?

18 MR. MORIARTY: Objection, form. Go  
19 ahead.

20 A. Yeah, I don't think there is a  
21 tremendous difference. I think dyspareunia is  
22 dyspareunia, and it's very hard to quantitate  
23 dyspareunia. To some degree we attempt to in some  
24 of these studies, but on balance I think they are

1 similar.

2 Q. Your opinion is dyspareunia is  
3 dyspareunia?

4 A. Well, dyspareunia just means pain with  
5 intercourse, and I think it's very hard to  
6 quantitate pain with intercourse, so that's what  
7 I'm implying.

8 Q. You don't think there is a difference  
9 between some irritation that might occur with  
10 vaginal atrophy and women who have pain that's so  
11 severe that they will be in bed for three days  
12 afterwards with pain or are unable to even attempt  
13 sex? Are those equivalent to you?

14 MR. MORIARTY: Object form.

15 A. So -- so -- so --

16 Q. Are those equivalent to you?

17 MR. MORIARTY: He is trying to answer  
18 your question.

19 A. Let me clarify. Again, dyspareunia is  
20 historically very difficult for us to quantify. It  
21 is without -- obviously, you make a very simple  
22 analogy. Of course a woman who has very mild pain  
23 is not the same as a woman who has, you know,  
24 horrific pain with intercourse.

1                   So, there is a scale, of course, but my  
2   point was when you are trying to compare and  
3   discern whether it's from associated with a  
4   hysterectomy or a native tissue repair or a mesh, I  
5   think on balance those can be the same. And that  
6   was the question you asked me. You didn't ask me  
7   is dyspareunia from patient to patient exactly the  
8   same.

9           Q.     But you answered dyspareunia is  
10   dyspareunia.

11          A.     Meaning, again, that -- let me clarify  
12   that. Dyspareunia needs to be taken seriously, and  
13   that's my only point, that when dyspareunia occurs,  
14   it's something that if a person has pain with  
15   intercourse, we need to take that seriously.

16                So, I don't -- I don't say, oh, it's  
17   mild or major. Dyspareunia is a serious problem  
18   for a woman, and that's why if you have  
19   dyspareunia, it's bad and it's something we will  
20   try to correct. That's the point I was trying to  
21   make, and I probably didn't answer it very  
22   articulately.

23          Q.     Dyspareunia may not always be bad; some  
24   dyspareunia is very easy to treat, correct?

1           A.     Yes, but it's still bad. It may be easy  
2     to treat, but it doesn't mean it's not bad.

3           Q.     Do women with vaginal atrophy ever have  
4     severe, horrific vaginal pain with intercourse?

5                     MR. MORIARTY: Object.

6           A.     Yes.

7           Q.     That cannot be treated easily with local  
8     estrogen therapy?

9           A.     That's the first thing we do with those  
10    patients with atrophic changes, and very often that  
11    can solve the problem, but not always.

12          Q.     Do you treat women with dyspareunia that  
13    don't have a urologic source?

14          A.     Yes.

15          Q.     You treat women with atrophic vaginitis  
16    when that's the only condition they are presenting  
17    with?

18          A.     Yeah. So, they typically would come see  
19    me because maybe they had a kidney stone or they  
20    have had a urinary tract infection, and then in  
21    taking their history we find out they also have  
22    dyspareunia. We do a vaginal exam, and if they  
23    have atrophic vaginitis, of course we treat it.

24                     That's part of our history-taking and

1 thorough physical exam. There is no urologic cause  
2 for dyspareunia. I mean, bladder pain and  
3 dyspareunia are slightly distinct, right, so  
4 dyspareunia --

5 Q. Or postoperative urologic surgery?

6 A. Correct.

7 Q. So, your opinion that the quality of  
8 dyspareunia and vaginal pain that occurs after mesh  
9 surgery is no different from that that can occur  
10 with other prolapse surgery?

11 A. Yes. It may not be any different at  
12 all.

13 Q. And you are ignoring the dozens of  
14 articles that would say something differently,  
15 correct?

16 MR. MORIARTY: Objection, form. Go  
17 ahead. It's argumentative.

18 A. I'm not sure they say anything a whole  
19 lot differently. There is papers that cite pain  
20 and dyspareunia after any type of vaginal surgeries  
21 and stuff; and certainly among those, as you stated  
22 earlier, are papers now looking at experiences with  
23 vaginal mesh procedures.

24 Q. Can you cite any paper that would



1 support your opinion that the pain associated with  
2 vaginal mesh is no different -- and we are  
3 considering all the factors, not that just that it  
4 occurs. Can you cite any paper that says that pain  
5 that occurs after mesh procedure is no different  
6 from that occurring with any other native tissue  
7 repairs?

8 A. I'm not sure there has been a  
9 comparative study, so I can't say that.

10 Q. It doesn't even have to be a comparative  
11 study. Has anybody offered an opinion that the  
12 mesh pain after mesh surgery is no different when  
13 you consider all the factors that we have talked  
14 about, the native tissue repairs?

15 MR. MORIARTY: Objection. Go ahead.

16 A. So, if I see a patient who has vaginal  
17 pain and fibromyalgias and says she can't get near  
18 her husband and she is on the verge of divorce and  
19 she is coming to see me because she was told I'm a  
20 pelvic floor reconstructive guy and what can I  
21 offer her and that woman has never had vaginal mesh  
22 surgery, any surgery, and she has horrific  
23 dyspareunia that's affecting her marriage, that  
24 woman's dyspareunia is no different than a patient

1 who has had mesh and comes in and complains of the  
2 exact same pain.

3 Q. How many postmenopausal women do you see  
4 with new onset of dyspareunia due to pelvic floor  
5 myalgia?

6 A. That would be hard for me to quantitate  
7 the number. A fair number.

8 Q. When was the last time you saw someone,  
9 new onset, menopausal, pelvic floor myalgia,  
10 horrific dyspareunia, in your practice?

11 A. Probably Monday.

12 Q. I would like to see her records.

13 MR. MORIARTY: Motion to strike.

14 Q. You cited the Maher Cochrane reviews on  
15 pelvic organ prolapse repairs in your paper?

16 MR. MORIARTY: Are you talking about  
17 in his report?

18 MS. THOMPSON: In his report, sorry,  
19 in your report, and the Cochrane 2016 review  
20 of pelvic organ prolapse, and we can go ahead  
21 and mark this.

22 (Bales Exhibit 21 was marked for  
23 identification.)

24

1 BY MS. THOMPSON:

2 Q. And I'm just giving you the summary of  
3 the review, and let's look at the key results.  
4 The Cochrane review 2016 states that overall the  
5 quality of the evidence ranged from very low to  
6 moderate. The main limitations were poor reporting  
7 of study methods, inconsistency and imprecision,  
8 correct?

9 MR. MORIARTY: I'm sorry. I hate to  
10 stop you. Could you tell me exactly where you  
11 are reading? Obviously you are on the last  
12 page.

13 MS. THOMPSON: The very last sentence  
14 of the last page.

15 MR. MORIARTY: Oh, you are under main  
16 results. I thought you said under key  
17 results.

18 MS. THOMPSON: That what I was reading  
19 was just quality of the evidence on the last  
20 page.

21 BY MS. THOMPSON:

22 Q. Did I read that correctly, Dr. Bales?

23 A. Yeah, I'm sorry. I was on Page 2. I  
24 was reading under main results.

1 Q. Under quality of the evidence on Page 3,  
2 "Overall the quality of evidence ranged from very  
3 low to moderate. The main limitations were poor  
4 reporting of study methods, inconsistency and  
5 imprecision." Did I read that correctly?

6 MR. MORIARTY: I object. I don't know  
7 where you are, what you are reading. I don't  
8 see a section called quality --

9 MS. THOMPSON: Plain language summary  
10 on the very last page.

11 MR. MORIARTY: Okay. So you are on  
12 the fourth page of this document under now  
13 "Quality of Evidence" at the very end?

14 MS. THOMPSON: That's where I have  
15 been the whole time.

16 BY MS. THOMPSON:

17 Q. "Overall, the quality of the evidence  
18 ranged from very low to moderate. The main  
19 limitations were poor reporting of study methods,  
20 inconsistency and imprecision."

21 Did I read that correctly?

22 A. Yes.

23 Q. And did the authors conclude -- I'm back  
24 on the previous page on author's conclusions.

1                   "The authors conclude that the  
2     risk/benefit profile means that transvaginal mesh  
3     has limited utility in primary surgery. While it  
4     is possible that in women with higher risk of  
5     recurrence the benefits may outweigh the risk,  
6     there is currently no evidence to support this  
7     position."

8                   Did I read that correctly?

9           A.     You read it perfectly.

10          Q.     And in the last paragraph, "In 2011,  
11     many transvaginal permanent meshes were voluntarily  
12     withdrawn from the market and the newer lightweight  
13     transvaginal permanent meshes still available had  
14     not been evaluated within an RCT. In the meantime,  
15     these newer transvaginal meshes should be utilized  
16     under the discretion of the ethics committee."

17                  Did I read that correctly?

18          A.     Yes. You read it fine.

19          Q.     In 2016 the authors of the Cochrane  
20     study, with Prolift having been on the market for  
21     11 years and Gynemesh on the market for 16 years,  
22     are stating that these meshes should only be  
23     utilized under the discretion of an ethics  
24     committee, correct?

1 MR. MORIARTY: Objection.

2 Q. Is that not what the authors concluded?

3 A. The authors' conclusion says as you read  
4 them. They state new or transvaginal meshes should  
5 be utilized under the discretion of the ethics  
6 committee. That's what's written here. And it's  
7 14 years with the Gynemesh, 2002 to 2016, 14 years.

8 Q. What did I say?

9 A. 16.

10 Q. I stand corrected.

11 MR. MORIARTY: And you said like 11 to  
12 12 for Prolift.

13 MS. THOMPSON: Well, it was introduced  
14 in 2005, so that would be 11.

15 MR. MORIARTY: And taken off the  
16 market in 2012.

17 MS. THOMPSON: I intended to say 11  
18 years after it was introduced to the market.  
19 If I said 11 years of use, I am mistaken.  
20 There are certainly women who have had it for  
21 11 years.

22 We will mark this next as 22.

23 (Bales Exhibit 22 was marked for  
24 identification.)

1 MS. THOMPSON: I just have one copy of  
2 this.

3 BY MS. THOMPSON:

4 Q. And this is a paper by the same author,  
5 Maher.

6 A. Same author; what do you mean, same  
7 author?

8 Q. As the Cochrane review.

9 A. Yes, okay.

10 Q. And going to Page 4 of this article,  
11 peer-reviewed article --

12 A. Yes, ma'am.

13 Q. These are the authors of the Cochrane  
14 review that you cited in your paper, state the data  
15 on transvaginal -- first of all, when was this  
16 published?

17 A. It looks like it was September 2013.

18 Q. The authors state the data on  
19 transvaginal mesh --

20 A. Can we clarify where on the page are you  
21 reading?

22 Q. Page 4 of 8 at the top of page.

23 A. At the top, okay. After "FDA 2011"?

24 Q. "The data on transvaginal mesh

1 outcomes" --

2 A. Yes.

3 Q. -- "from these systematic reviews are  
4 not as reassuring for the safety and efficacy of  
5 transvaginal mesh as data presented from initial  
6 case reports published by authors with a financial  
7 COI..."

8 That means conflict of interest, right?

9 MR. MORIARTY: Objection, form.

10 A. That's what conflict of interest --

11 Q. Does "COI" mean conflict of interest in  
12 this context?

13 A. Yes.

14 Q. "...with the product being evaluated."

15 Did I read that correctly?

16 A. Yes.

17 Q. And then it discusses the FDA 2011  
18 transvaginal mesh alert. You are familiar with  
19 that document, correct?

20 A. Correct.

21 Q. And it says, "Unfortunately," reading  
22 that paragraph that starts, "Unfortunately, much of  
23 the current data on POP surgery presented in our  
24 systematic reviews fails to allay concerns outlined



1 in the September 2011 FDA transvaginal  
2 polypropylene mesh report that found the safety of  
3 transvaginal meshes has not been established;  
4 depending on the compartment, the efficacy of  
5 transvaginal meshes has not been established to be  
6 more effective than traditional repairs; vaginal  
7 mesh from POP repair should be reclassified from  
8 class II to class III to ensure premarket analysis  
9 includes a non-mesh control arm; currently marketed  
10 vaginal mesh products should undergo premarket  
11 evaluation to better explain" --

12 A. Postmarket.

13 Q. Sorry. Thank you.

14 -- "postmarket evaluation to better  
15 explain the risk/benefit of mesh versus POP repair  
16 without mesh; and safety and efficacy of mesh at  
17 sacral colpopexy had been established."

18 Do you disagree with these conclusions  
19 made by Maher, the author of the Cochrane reviews  
20 on prolapse mesh use?

21 A. Which specific ones? The entire --

22 Q. The ones I just read from this paper.

23 MR. MORIARTY: Objection, form. Go  
24 ahead.

1           A.       Yeah, I have some disagreements on some  
2       of them. I mean, basically, if you want, we can go  
3       over them one by one. There is five bullet points.

4                   The safety of transvaginal meshes has  
5       not been established. Well, there has been a  
6       wealth of studies on transvaginal meshes. We have  
7       been talking about them in a number of the studies.  
8       So, I think the safety has been established, and we  
9       could argue about, you know, each of the papers,  
10      but there is a lot of data out there, so --

11           Q.       So, you disagree, that the safety has  
12      been established. You disagree with the authors of  
13      this paper and the Cochrane reviews, correct?

14           A.       That's a different question. I thought  
15      we were talking about this right now.

16           Q.       Well, I'm just saying since that's their  
17      opinion in this paper, you would disagree with the  
18      authors on that point, correct?

19                   MR. MORIARTY: Objection, asked and  
20      answered.

21           A.       Yes. I thought we would go point by  
22      point.

23           Q.       And so you would disagree with the FDA  
24      as well on that point, correct?

1           A.       No. I think -- well, the FDA report was  
2       from 2011, and I think the FDA report in 2011 just  
3       acknowledged that it was still early; and as you  
4       know, with that FDA report, it's cited that there  
5       is a variety of different complications that we  
6       need to be aware of. And to specifically this says  
7       the safety has not been established, I mean, yes, I  
8       would disagree. If you have a lot of patients and  
9       a lot of experience on safety, then to some degree  
10      I would disagree; I think it has been established.  
11      I think you have studies out there.

12           Q.       And do you disagree that depending --  
13      the second bullet.

14           A.       Well, let's go through it. "Depending  
15      on the compartment the efficacy of transvaginal  
16      meshes has not been established to be more  
17      effective than traditional repairs." I think there  
18      is still, you know, better studies that need to  
19      occur, but for sure there is conflicting results on  
20      the effectiveness and whether transvaginal meshes  
21      are better. I would be fine with that, so, and as  
22      it says, depending on the compartment there is a  
23      lot of factors that, you know, like what specific,  
24      whether you are doing rectocele, cystoceles, what

1 have you.

2 Vaginal mesh repairs --

3 Q. Another point. But you will agree with  
4 me, there is no studies that establish superiority  
5 of vaginal mesh for effectiveness in the posterior  
6 or apical compartments?

7 MR. MORIARTY: Objection. Go ahead.

8 A. Yeah, there is not a lot of good head-to  
9 head studies that suggest it's superior.

10 Q. Are there any?

11 A. There are studies that suggest it's  
12 equivalent.

13 Q. Not superior?

14 A. Not superior. "Vaginal mesh for pelvic  
15 organ prolapse repair should be reclassified."  
16 Again, I don't -- you know, that's sort of not my  
17 area of knowledge base in terms of what goes into  
18 the classification scheme, if you will, so I don't  
19 have a good opinion on that.

20 "Currently marketed vaginal mesh  
21 products should undergo a postmarket evaluation,"  
22 that's okay, I mean, but I don't have a strong  
23 opinion of that one way or the other.

24 And the last bullet point, "Safety and

1 efficacy of mesh at sacral colpopexy had been  
2 established." As we stated, I mean, again, there  
3 is a lot of data on sacral colpopexy, so I would  
4 agree that has been established, but as I said, I  
5 also would agree that the first point, there is at  
6 least data now that has established to some degree  
7 the safety and efficacy.

8 So, I hope that was clear. I just  
9 wanted to make sure you understood sort of --

10 Q. Were there any studies when Prolift was  
11 introduced in 2005 establishing safety and efficacy  
12 of the device?

13 A. Well, it was a new device, so I'm not  
14 aware that again it was being trialed and such,  
15 so...

16 Q. So the answer would be no?

17 A. So, no.

18 Q. And finally, are you familiar with this  
19 paper?

20 MS. THOMPSON: And we will mark that  
21 as Exhibit 23.

22 (Exhibit 23 was marked for  
23 identification.)  
24

1 BY MS. THOMPSON:

2 Q. Are you familiar with this paper titled  
3 "Vaginal Mesh Contraction, Definition, Clinical  
4 Presentation and Management"?

5 A. Yes.

6 Q. And one of the two authors of this paper  
7 is also the author of the Cochrane reviews that you  
8 cited in your paper as well?

9 A. Maher.

10 Q. Maher. Is it your opinion that vaginal  
11 mesh contraction is not unique to vaginal mesh  
12 devices?

13 A. It is not -- say that again.

14 Q. You've given the opinion that the only  
15 complication unique to vaginal mesh devices is  
16 exposure and erosion, and I'm asking you is vaginal  
17 mesh contraction not unique to vaginal mesh  
18 devices?

19 A. I guess anything having to do with the  
20 mesh itself is unique to the mesh. We could argue  
21 about the extent of contracture, if you will. But  
22 if the mesh changes at all, it's only going to  
23 change if the mesh is present. So, again, I'm not  
24 sure that's a complication, but it's a behavior of

1 the mesh. Maybe that's more accurate.

2 Q. Vaginal mesh contraction characterized  
3 by severe vaginal pain, aggravated by movement,  
4 dyspareunia in all sexually active women and focal  
5 tenderness over contracted portions of the mesh on  
6 vaginal examination, commonly involving the lateral  
7 fixation arms, you have a question about whether  
8 that's a complication or not?

9 A. I don't have a question. If the pain  
10 exists, I have a question how much is specifically  
11 due to contracture, which is what you were just  
12 talking about.

13 Q. Well, these authors are reporting  
14 vaginal mesh contraction. Do you question their  
15 report?

16 A. I mean, their report is their report.

17 Q. And it certainly wasn't included in your  
18 expert report, was it?

19 A. It was not.

20 Q. Vaginal mesh contraction characterized  
21 by severe vaginal pain, dyspareunia in all women  
22 and focal tenderness over contraction. In fact,  
23 you say it's not even established that mesh  
24 contracts to any clinical significant degree;

1 correct?

2 A. That's what I said.

3 Q. You certainly consider vaginal mesh  
4 contraction a significant clinical condition,  
5 correct?

6 MR. MORIARTY: Objection. Go ahead.

7 A. I guess that we can argue about how much  
8 and how relevant contracture, how much it occurs,  
9 how well it's measured, and if that truly is  
10 clinically significant. Certainly these authors  
11 feel that they felt some of the pain that they are  
12 seeing is related to contracture.

13 Q. And you are aware that there are dozens,  
14 literally, of articles describing mesh contracture  
15 and the clinical symptoms, primarily pain,  
16 associated with it, correct?

17 A. I'm aware that both those things exist,  
18 and I'm certainly aware that mesh contractures  
19 occur, just like mesh contractures occur in  
20 inguinal hernias and ventral hernia and whatever,  
21 yes.

22 Q. Okay. We are talking about vaginal mesh  
23 contractions, right?

24 A. Yes, and I'm aware that they contract a



1 little bit.

2 Q. A little bit?

3 A. Well, I don't think it's certain. It's  
4 very unclear how much they contract. It hasn't  
5 been -- it's not well-studied, in percentages and  
6 things like that. But yes, that we can say it's  
7 safe to say vaginal meshes can contract. I will  
8 certainly agree to that.

9 Q. Okay. Well, you state in your report,  
10 and I'm just questioning whether this is objective  
11 and unbiased, that there is no medical literature  
12 conclusively establishing that mesh contracts with  
13 vaginal use to clinically significant degrees.

14 So, Maher's paper is not conclusive to  
15 you that it occurs?

16 MR. MORIARTY: Objection, form. Go  
17 ahead.

18 A. Again, there is two different points you  
19 are saying there. We are saying that --

20 Q. I first read your statement and then I  
21 want to --

22 MR. MORIARTY: Don't cut him off. He  
23 needs to answer your question.

24 MS. THOMPSON: I apologize.

1 MR. MORIARTY: If you don't like the  
2 answer, you can follow up.

3 MS. THOMPSON: I'm just trying to get  
4 through because I have three hours to cover  
5 about 12 products.

6 THE WITNESS: It contracts.

7 MR. MORIARTY: Three, I believe.

8 MS. THOMPSON: Anterior, posterior,  
9 total, six, seven, eight.

10 MR. MORIARTY: Prolift, Gynemesh PS.

11 MS. THOMPSON: Prolift, anterior,  
12 posterior, total, which he said was three  
13 different products, Plus M. Well, okay.  
14 That's three products that would give me seven  
15 hours. Okay. Go ahead.

16 A. That meshes, and we are talking about  
17 vaginal meshes, contract, to the extent of their  
18 clinical relevance, I guess I'm not -- I'm not --  
19 I'm not convinced that we have a good understanding  
20 of the clinical relevance.

21 Q. So in the literally dozens of papers  
22 that talk about contraction, retraction, shrinkage,  
23 you are not convinced that that's a clinically  
24 significant condition?

1           A.       I'm not convinced that in all those  
2     patients it's simply -- it's as simple as saying a  
3     little contraction occurred, and that's what's  
4     causing all the pain. I think that it's not very  
5     well defined. That's my opinion.

6           Q.       Okay. The one paper you did out of the  
7     literally dozens of papers that discussed this,  
8     including the FDA, as a clinically significant  
9     condition that is unique to mesh, the one paper you  
10    selected to include in your expert report is Dietz.  
11    My question is --

12          A.       So you are happy with this one, that I  
13    included this one?

14          Q.       Oh, let's talk about this one.

15          A.       Okay. Please.

16          Q.       Did you find this paper on your own or  
17    were --

18                   MR. MORIARTY: Is this marked?

19                   MS. THOMPSON: Let's mark that as the  
20    exhibit next.

21                               (Bales Exhibit 24 was marked for  
22                               identification.)

23    BY MS. THOMPSON:

24          Q.       My question, first of all, is this a

1 paper you found on your own literature search, or  
2 was this something that was furnished to you by  
3 defense counsel?

4 A. I don't recall. I think I found it on  
5 my own.

6 Q. And this is the one you chose out of  
7 dozens, if not hundreds, of articles that discuss  
8 mesh shrinkage, contraction, retraction and the  
9 clinical significance, correct?

10 MR. MORIARTY: Objection, form.

11 A. This is one that's cited in my Herrera  
12 report.

13 Q. Let's look at this report from 2011.  
14 You are aware that Dr. Dietz is a consultant for  
15 mesh manufacturers, correct?

16 A. Yes. Well, I'm just reading it.  
17 Actually, I didn't remember that, but I'm reading  
18 underneath on the first page here. It says he has  
19 acted as a consultant for various vendors, so yes,  
20 I guess he is.

21 Q. And Dr. Dietz used translabial  
22 ultrasound in this study, correct?

23 A. Correct.

24 Q. Wouldn't that transvaginal ultrasound be

1 more accurate in assessing mesh in the pelvic  
2 floor?

3 A. You know, I don't do translabial  
4 ultrasounds, so I'm not sure how well it penetrates  
5 to be able to assess it. I'm assuming that whether  
6 it is translabial or transvaginal, they were able  
7 to get dimensions, but I don't know enough about  
8 translabial ultrasound.

9 Q. Aren't most of the papers that you've  
10 seen or have you seen any looking at ultrasound to  
11 assess mesh shrinkage using transvaginal  
12 ultrasound?

13 A. Yes. Loyola has published some papers  
14 here in Chicago, Dr. Mueller. So, yes, I'm aware  
15 of that technique, and there has been some reports  
16 on that.

17 Q. And Dr. Dietz did the first scan in his  
18 paper at a minimum of three months, so the first  
19 scan was done three months following the placement  
20 of the surgery -- the placement of the mesh,  
21 correct?

22 A. It looks like the study design, it was  
23 between 3 and 52 months.

24 Q. And it's true that folding, wrinkling,

1 crumpling of mesh is often the explanation for the  
2 phenomenon of mesh contraction, correct?

3 A. So it folds and that causes the  
4 contractures? Repeat the question.

5 Q. Is it you are not aware of the folding  
6 and wrinkling of the mesh causing the reduction in  
7 size of the mesh tissue complex? You are not aware  
8 of that phenomenon?

9 A. I'm not aware that a fold then causes it  
10 to contract per se, no.

11 Q. But at three months, you will agree with  
12 me that the mesh is already encased in tissue or  
13 scar, correct?

14 A. Yeah. It might still be going on to  
15 some degree. I mean, obviously it's an evolving  
16 process and there might still be scar tissue being  
17 laid down.

18 Q. But you will agree with me if you are  
19 looking at mesh shrinkage, you don't start after  
20 three months; you start at when the device was  
21 placed because the majority of the shrinkage is  
22 going to occur before implant of tissue, correct?

23 A. I don't know that. I don't know if we  
24 know that.

1 Q. So you don't know that, all right.

2 A. I don't know if anybody knows that.

3 Q. Let's look at the results.

4 A. That's why this study was being done.

5 Q. Okay. Let's look at the results.

6 18 of 40 at this followup, 45 percent,  
7 considered themselves cured. Are those good  
8 results?

9 A. Can I find where you said what  
10 specifically the -- in the results?

11 Q. 18 on Page e3, 18 of 40 considered  
12 themselves cured at this followup, 45 percent. Are  
13 those good results for outcomes?

14 MR. MORIARTY: Objection, form.

15 Q. Are those good results?

16 A. That sentence reads 18 to 40 considered  
17 themselves cured and 18 of 40 felt improved, so if  
18 36 out of 40 felt cured or improved, that's pretty  
19 good results.

20 Q. I asked about 18 of 40 considered  
21 themselves cured; is that a good result?

22 MR. MORIARTY: Objection.

23 A. Well, you can't -- you can't -- you  
24 can't ask it like that, counselor.

1 Q. I can ask it any way I want to,  
2 Dr. Bales.

3 A. True.

4 Q. I was going to ask you about the 18 out  
5 of 40 later that felt improved, but 18 of 40  
6 consider themselves cured; would you consider that  
7 a good result?

8 MR. MORIARTY: Objection, asked and  
9 answered.

10 MS. THOMPSON: Okay. We will just  
11 take your answer then.

12 A. Don't you see, if 18 of the 40 were  
13 cured and everybody else was worse, that wouldn't  
14 be a good result, but if 18 out of 40 are cured and  
15 another 18 are improved, that's 36 are cured or  
16 improved.

17 I don't know what the scale they were  
18 using, so that's funny you are asking me these  
19 questions that are sort of taken out of context. I  
20 can't give a simple yes-or-no answer. So, I think  
21 it is important. I guess you want it to be  
22 accurate, right? You want my responses to be  
23 accurate, so we should -- we should -- we should  
24 probably allow me to explain.



1 Q. Okay. So let's clarify this a little  
2 bit. The objective prolapse recurrence rate, 16 of  
3 40, 40 percent, in this study, would that be a good  
4 result? Objective prolapse recurrence, 40 percent  
5 in this study, correct?

6 A. Correct.

7 Q. Subjective recurrent lump, 27.6 percent,  
8 correct?

9 A. 2.5 times 11, okay. Yes, that's what  
10 they are reporting.

11 Q. And the authors state that folding or  
12 warping of the mesh during or immediately after  
13 implantation could occur, correct?

14 A. Where are you reading that?

15 If you pick out this sentence in the  
16 middle of the paper, I don't know how to answer  
17 your question. You've got to tell me where you are  
18 reading it.

19 Q. "One small longitudinal study suggested  
20 that most of the difference between in vitro and in  
21 vivo mesh dimensions was due to surgical technique,  
22 i.e., folding and warping of the mesh during or  
23 immediately after implantation."

24 Did I read that correctly on Page e3?

1 A. Where on e3 are you reading it?

2 Q. Last full paragraph.

3 "One small longitudinal study suggested  
4 that most of the difference between in vitro and in  
5 vivo mesh dimensions was due to surgical technique,  
6 i.e. folding and warping of the mesh during or  
7 immediately after implantation."

8 MR. MORIARTY: And what's your  
9 question?

10 Q. My question is, if folding and warping  
11 of the mesh occurred during or immediately after  
12 surgery, it would not be depicted as a change in  
13 the dimensions of the mesh when the first scan is  
14 done at three months, correct?

15 A. I don't know.

16 Q. You don't know? If it occurs  
17 immediately after surgery would you be able to tell  
18 the difference if the first scan is done at three  
19 months?

20 A. I mean, I don't know enough about the  
21 sensitivity of that or how -- again, I just don't  
22 have a whole lot of familiarity with translabial  
23 ultrasound to say.

24 Q. Well, this is the one study you picked

1 out of all the dozens, hundred studies describing  
2 shrinkage of mesh. I'm just asking you opinions on  
3 why this was the conclusive study or whether it  
4 just supported --

5 A. I mean, it was one of the studies.

6 Q. What you --

7 A. All the studies -- again, there is a  
8 body of literature and you have to pick out certain  
9 studies, and so this is one of the ones that was  
10 included. I mean, there is --

11 Q. So of all the dozens and every single  
12 other study conclusively shows that mesh shrinks,  
13 this is the one that you picked?

14 MR. MORIARTY: Objection, form. Go  
15 ahead. Argumentative. You just want to argue  
16 with him all day.

17 A. I don't think there was a question  
18 there. This is the study I picked.

19 Q. What is the dimension of the Perigee  
20 that was used in this study when it was inserted?  
21 Or if you will take my word for it, it's 5 by 3.7  
22 centimeters. Does that sound right?

23 A. So, it's in the materials and methods.  
24 Your Perigee was I guess an American Medical

1 Systems product. This isn't even an Ethicon  
2 product. Sure, I would believe this. They  
3 describe that. I guess they measured it, and it's  
4 5 by 3.7 centimeters.

5 Q. Well, you chose the paper about Perigee,  
6 not me, right?

7 MR. MORIARTY: Objection,  
8 argumentative. What does that have to do with  
9 anything?

10 MS. THOMPSON: Well, he was  
11 questioning that it wasn't even an Ethicon  
12 product, and I was just bringing to his  
13 attention that he was the one that picked a  
14 non-Ethicon paper when there were other  
15 Ethicon papers he could have chosen.

16 MR. MORIARTY: I thought you were  
17 asking about the dimensions of the Perigee.

18 MS. THOMPSON: I am.

19 BY MS. THOMPSON:

20 Q. Now, if you go to the chart on Page e3  
21 giving the dimensions, the lower mesh margin.

22 A. Table 1 or Table 2?

23 Q. Table 1. And the mesh link, those  
24 measurements are significantly different, smaller

1     than 5 by 3.7, correct?

2           A.     So, the coronal mesh diameter was 3.71  
3     and then 3.77, so that actually is I think just the  
4     same as the 3.7. Is that --

5           Q.     Well, the lower mesh margin would be the  
6     width, correct, and the mesh length would be the  
7     length, correct?

8                     And you get something like 1, between 1  
9     and 1.45 for the width and you get 3.28 to 3.41 for  
10    the length, correct? I'm just reading numbers.

11          A.     I apologize. We are going to have to go  
12    off the record for a second. I need to look at  
13    this. I haven't familiarized myself with this in a  
14    little while, and you are asking me all these --

15          Q.     Are the numbers 1 and 3.4 less than 3.7  
16    and 5?

17          A.     I can't answer any questions about it.  
18    If you can give me a few minutes to read this over.

19          Q.     So this was a paper you chose, but you  
20    are not at this time able to answer any questions  
21    about the dimensions?

22          A.     The very detailed, specific questions  
23    you are asking about one of the 50 papers that I've  
24    cited, I want to answer your questions --

1 Q. Excuse me.

2 MR. MORIARTY: Stop cutting him off,  
3 please. Even the court reporter has told you  
4 to stop it.

5 MS. THOMPSON: I'm sorry.

6 A. I want to answer your questions  
7 accurately, and if you want to get into the minutia  
8 of this little paper, which, again, it was cited  
9 and so I'm perfectly willing to do it, but you are  
10 going to have to give me a minute to better  
11 understand it, because this is a paper that was on  
12 something that I don't typically do and while the  
13 other papers I'm much more familiar with because I  
14 do the surgeries, I don't do the ultrasounds, and  
15 you are asking me about numbers and how they were  
16 interpreted. I need a few minutes to look it over.  
17 I can do that, if you want.

18 Q. I don't want to spend the time because  
19 my time is so limited, but you certainly would need  
20 time to understand this paper, the one paper that  
21 you cited on shrinkage, correct?

22 A. I would need a lot of time, but you are  
23 asking me again how to interpret their tables and  
24 how the dimensions were being measured, and I need

1 a few minutes to read over their methods. I'm  
2 happy to do that.

3 Q. It's only a four-page paper, right?

4 A. You are the one who says we don't have  
5 time. I have plenty of time.

6 Q. Let's go ahead and look at some  
7 shrinkage information on Ethicon products. Okay?

8 A. Okay.

9 MS. THOMPSON: We will mark this as  
10 25.

11 (Bales Exhibit 25 was marked for  
12 identification.)

13 BY MS. THOMPSON:

14 Q. And I'm looking specifically at the  
15 abstract 157 by the authors Letouzey and De Tayrac,  
16 among others. Are you aware that these authors are  
17 part of the TVM group in France?

18 A. Yeah. I think I recognize the  
19 Levailant. I'm not perhaps pronouncing that, the  
20 Levailant name.

21 Q. And this study actually used Gynemesh,  
22 correct?

23 A. Yes.

24 Q. And it was placed under the bladder in a

1 tension-free procedure, correct?

2 A. Correct.

3 Q. And the results of this study showed  
4 that ultrasound evaluation reconstruction has been  
5 shown to -- a typo -- has been showed a mean  
6 contraction of 30 percent, 65 percent, 85 percent  
7 at a mean followup of 3 years, 6 years and 8 years  
8 respectively, correct? Did I read that correctly?

9 A. Yes.

10 Q. 85 percent at 8 years is certainly not  
11 any clinically significant degree, as you stated in  
12 your report, is it?

13 A. Well, you know, it is interesting. If  
14 we read just a little further, there was no  
15 significant correlation between mesh position and  
16 clinical outcomes. So actually, it seems to  
17 indicate by their results that while it's  
18 contracted, it hasn't affected outcomes. So, I  
19 guess it's not clinically significant if you  
20 believe this one abstract.

21 Q. Did the mesh shrink in this abstract by  
22 Dr. Tayrac?

23 A. Well, according to the ultrasound  
24 measurements, you just stated the numbers,



1 30 percent, 65 percent, et cetera.

2 MS. THOMPSON: We will mark this as  
3 Exhibit 26.

4 (Bales Exhibit 26 was marked for  
5 identification.)

6 BY MS. THOMPSON:

7 Q. Did you look at any Ethicon documents  
8 regarding mesh shrinkage and the clinical  
9 significance?

10 A. Yes, I looked at some documents.

11 Q. Did you look at this document that I  
12 just marked as Exhibit 26 that says, "Mesh  
13 shrinkage: How to assess, how to prevent, how to  
14 manage?" by authors Velemir, Fatton and Jacquetin,  
15 also part of the TVM investigating group on  
16 Gynemesh and Prolift? Have you seen this document?

17 A. I may have.

18 Q. Go ahead and look through it, if you  
19 would like, and let me know when you are ready.

20 A. Well, I don't know what to be ready for,  
21 so I'm not sure if I'm ready.

22 Q. I want to ask you some questions, but I  
23 will direct you to the right place.

24 A. When you don't know what to expect, it

1 is hard to know if you are ready.

2 Q. Fair enough. And this entire document,  
3 it looks like it was a workshop, is postoperative  
4 specific complications following transvaginal mesh  
5 repair of pelvic organ prolapse, etiology,  
6 prevention and management; and the entire -- I  
7 don't know how many pages it is but it's long -- is  
8 about mesh shrinkage, correct?

9 A. I don't know. I didn't have time to go  
10 through every single page just now.

11 Q. Well, the title is "Mesh Shrinkage," so  
12 you can probably assume that the document is about  
13 mesh shrinkage, right?

14 MR. MORIARTY: Your question was  
15 whether every page of the thing was about mesh  
16 shrinkage, so don't get frustrated by his  
17 answer when he hasn't assessed because I'm  
18 looking at the third page and it isn't about  
19 shrinkage. So, I understand your frustration,  
20 but if your question is going to be that  
21 way...

22 BY MS. THOMPSON:

23 Q. Okay. Let's just go through several of  
24 these pages. All right. It gives a definition of

1 mesh shrinkage on page -- the second page,  
2 reduction of the mesh area after tissue  
3 incorporation, correct?

4 A. That's what it lists as the definition.

5 Q. And it also says it's often associated  
6 with mesh thickening and folding, correct?

7 A. That's the third bullet point there,  
8 yes, often associated with mesh thickening and  
9 folding.

10 Q. Would you disagree that mesh shrinkage  
11 is often associated with mesh thickening and  
12 folding?

13 A. That hasn't been my experience.

14 Q. So you would disagree with Ethicon that  
15 mesh shrinkage is often associated with mesh  
16 thickening and folding?

17 MR. MORIARTY: Objection, objection to  
18 form.

19 Q. You can answer.

20 A. It hasn't been my experience that I have  
21 seen in my own patients a lot of mesh thickening  
22 and folding, so I don't know who I'm disagreeing  
23 with, but you asked me what my opinion is, and I  
24 haven't seen that.

1 Q. And do you have any peer-reviewed  
2 literature that would tell you that mesh shrinkage  
3 is not associated with mesh thickening and folding?

4 A. I guess we will have to go through and  
5 find some literature. Again, there is lots of  
6 literature that there is mesh contraction, but  
7 specifically regarding the folding and how the  
8 folding is measured, I'm not aware of any  
9 literature telling me that or showing me that or  
10 quantifying that.

11 Q. I'm asking are you aware of literature  
12 that says it's not associated with thickening and  
13 folding, not that it is.

14 MR. MORIARTY: Objection, asked and  
15 answered.

16 Q. Two different questions.

17 A. I guess I'm not sure that there is  
18 literature specifically talking about the folding  
19 and the thickening.

20 Q. Okay. Would you agree that mesh  
21 shrinkage is well-documented in animal studies with  
22 a range of 15 to 65 percent?

23 A. Yes, there is animal studies that show  
24 that. I would agree with that statement.

1 Q. Would you agree that mesh shrinkage is a  
2 phenomenon experienced by abdominal surgeons?

3 A. When using mesh for what procedures? So  
4 use mesh for ventral hernias, for instance, or what  
5 specifically?

6 Q. I'm just reading. Do you agree with the  
7 statement from Drs. Velemir, Fatton and Jacquetin  
8 of the TVM group in France investigating Gynemesh  
9 and Prolift that mesh shrinkage is a phenomenon  
10 experienced by abdominal surgeons?

11 A. Well, I guess I don't disagree, I don't  
12 agree. I'm not sure what they are referring to  
13 there, so I don't want to just --

14 Q. So you can't answer that question?

15 A. Again, let me finish. As a blanket  
16 statement I just want to say I agree. I'm just not  
17 sure what they are referring to.

18 Q. And do you agree with the statement that  
19 mesh shrinkage is a phenomenon which has become a  
20 rising concern in urogynecology since the  
21 widespread use of vaginal mesh?

22 A. I think it's a concern for  
23 urogynecologists, urologists. Anybody who is using  
24 vaginal mesh, it would be a concern.

1 Q. Except it's your opinion that it has not  
2 been shown that vaginal mesh contraction is of any  
3 clinical significance, correct?

4 A. Right. That's a different question,  
5 right. So, we are always concerned about these  
6 complications and risks and whether or not there is  
7 any clinical significance. It's my opinion right  
8 now that I'm not sure what the clinical  
9 significance is.

10 Q. Well, you said you don't believe there  
11 is clinical significance, correct?

12 A. Correct.

13 Q. All right. So it hasn't been a --

14 A. For instance -- just let me finish. For  
15 instance, the previous exhibit indicated that there  
16 was again that mesh contracture but no difference  
17 in clinical outcome. So, that's a prime example of  
18 what I believe, so, anyway...

19 Q. Well, you said that contraction hasn't  
20 been conclusively established?

21 A. Contraction.

22 Q. Going to the next page, what did we  
23 learn from abdominal wall repair studies?

24 "Several complications associated with

1 the use of mesh may be due to chronic inflammatory  
2 reaction to the mesh or a loss of compliance after  
3 degradation of the material."

4 Do you agree or disagree with that  
5 statement by these authors, published by Ethicon?

6 MR. MORIARTY: Objection, form.

7 I'm sorry. Did you say published by  
8 Ethicon? There is nothing that says this is  
9 an Ethicon document. It's from some IUGA  
10 seminar.

11 MS. THOMPSON: I apologize. By the  
12 authors that were the Ethicon investigators of  
13 the Gynemesh and Prolift products.

14 BY THE WITNESS:

15 A. It would be nice to see it in the  
16 context, but basically complications -- let's read.  
17 The bullet point says several complications may --  
18 may be due to chronic inflammatory reaction to the  
19 mesh or loss of compliance.

20 So, I guess I would agree with that,  
21 although it would be nice to know specifically in  
22 what context they are talking about and what -- you  
23 know, in what type of surgeries and what have you,  
24 but on balance I guess I would agree with that

1 statement.

2 BY MS. THOMPSON:

3 Q. And actually going to the bullet point  
4 above that, mesh repair reduces the rate of  
5 recurrence compared with traditional suture repair  
6 and works by both direct mechanical sealing,  
7 sublay, and induction of a scar plate formation.

8 Do you agree with the statement that  
9 mesh repair induces a scar plate formation?

10 A. I -- yeah, I agree with that statement  
11 100 percent. For abdominal wall repairs,  
12 mechanical sealing, right, the synthetic, the mesh  
13 is there and also scar happens and further  
14 reinforces the repair. I agree with urethra.

15 Q. Is a scar plate a good thing to have in  
16 the vagina?

17 MR. MORIARTY: Objection. Go ahead.

18 A. Well, I'm not sure exactly I guess what  
19 the difference is between a scar and a scar plate,  
20 right. I guess it's kind of maybe a poor term. I  
21 think scarring is something that occurs after we do  
22 surgery. So, obviously, less scarring is better  
23 than more scarring, but again, I'm not sure what we  
24 mean by a scar plate.



1 Q. You are not familiar with the term "scar  
2 plate" used in mesh literature extensively?

3 A. I'm very familiar with the term. I'm  
4 just not sure how it differs from just a scar and  
5 what it conveys in terms of the size of the scar  
6 and the thickness of the scar, any of that. Again,  
7 it's not a very good term in terms of what it  
8 conveys. So, I say you have a scar plate. What  
9 does that mean? You have a 1 centimeter, you have  
10 a 5 centimeter scar?

11 Q. So you don't know what the term "scar  
12 plate" means?

13 A. I think I just indicated that I know  
14 exactly what a scar plate is. A scar plate is  
15 simply just a scar, and there is no absolute  
16 literature saying what the -- it's not a good term  
17 because it doesn't mean any specific size or  
18 thickness or anything.

19 So, I'm familiar with the term, we use  
20 the term a lot, but it doesn't necessarily indicate  
21 the size of the scar or what significance it may  
22 have clinically.

23 Q. So is it your opinion that "scar" and  
24 "scar plate" mean the same thing?

1 A. Yes.

2 Q. And then mesh shrinkage, and again we  
3 are talking about what did we learn from abdominal  
4 wall repair studies. "Mesh shrinkage folding and  
5 migration may result in some cases in a recurrent  
6 hernia and also pain," do you agree or disagree  
7 with that statement, that mesh shrinkage folding  
8 and migration may cause pain?

9 MR. MORIARTY: Objection, form.

10 A. I don't agree or disagree.

11 Q. You don't agree or disagree? You can't  
12 answer the question whether shrinkage, folding and  
13 migration can cause pain?

14 A. Well, I suppose if it says "may," I  
15 suppose it could. Again, I would need to know the  
16 clinical context. It's such a generic thing, mesh  
17 migration. So if the mesh moves a little bit, it's  
18 going to cause pain. If you put mesh in somebody,  
19 they can get pain. I guess I'm not sure how to  
20 answer that.

21 Q. So you have trouble answering the  
22 question of whether you agree with the statement by  
23 these authors that mesh shrinkage, folding,  
24 migration may cause pain?

1 MR. MORIARTY: Objection, form. Go  
2 ahead.

3 A. I have trouble not knowing specifically  
4 what they are referring to. I don't want to make a  
5 blanket statement yes.

6 Q. Okay. Let' go to the next page.

7 MR. MORIARTY: Time for a break,  
8 unless you have to get to that next page  
9 before the break.

10 MS. THOMPSON: No, I don't have to get  
11 to the next page.

12 MR. MORIARTY: I think you have an  
13 hour left.

14 MS. THOMPSON: I will be fine with an  
15 hour.

16 (Recess taken, 11:02 - 11:16 a.m.)

17 BY MS. THOMPSON:

18 Q. Dr. Bales, let's go to the -- I think  
19 it's the next page, "What is specific to vaginal  
20 surgery?" And these authors state, "Poor knowledge  
21 of the vagina in vivo response to the materials."  
22 Do you agree or disagree that there is poor  
23 knowledge of the vaginal in vivo response to the  
24 materials?

1           A.       Oh, I think we are learning more and  
2       more. I don't know exactly what the timeframe was  
3       on this, but for sure it's newer, right, that we  
4       are putting these materials into the vagina, so I  
5       think we have an evolving knowledge. I guess that  
6       would be more correct to say.

7           Q.       When the Prolift was on the market,  
8       Gynemesh and Prolift for transvaginal use, was  
9       there poor knowledge of the vaginal in vivo  
10      response to the materials?

11          A.       I think there was limited knowledge.

12          Q.       So you take exception with the word  
13      "poor" but agree that it was limited?

14          A.       I would use the term, yeah, "limited."  
15      I wouldn't be comfortable saying "poor." It is  
16      limited.

17          Q.       Do you agree that the vagina has an  
18      important vascularity and endogenous microflora  
19      that may have an impact on host tissue response and  
20      biomechanical properties of grafts used in pelvic  
21      reconstructive?

22          A.       Yeah, I agree with that 100 percent.

23          Q.       Going to the next page, "What do we  
24      observe with mesh repair in our field?" And the

1 statement is "Mesh shrinkage may be associated  
2 with," bullet points, "stiffness/tenderness at  
3 vaginal examination." Would you agree with that?

4 MR. MORIARTY: Objection, form. Go  
5 ahead.

6 Q. Would you agree with mesh shrinkage may  
7 be associated with stiffness and tenderness at  
8 vaginal examination?

9 MR. MORIARTY: Same objection.

10 A. I guess I would agree. May be  
11 associated, I guess I could agree with that  
12 statement.

13 Q. Would you agree that mesh shrinkage may  
14 be associated with discomfort, pain during  
15 intercourse?

16 MR. MORIARTY: Same objection.

17 A. I guess I would just underscore again  
18 that I don't know how easy it is to determine  
19 whether mesh shrinkage is what's causing discomfort  
20 and pain after intercourse, so that's why. So, I  
21 guess may, may be associated, sure. I guess I  
22 could on balance say that's okay.

23 Q. And you certainly agree that there are  
24 many papers where the authors are able to make the

1 connection between the shrinkage, retraction,  
2 contraction and pain; you just are not able to,  
3 correct?

4 MR. MORIARTY: Objection, form. Go  
5 ahead.

6 A. Yes, I'm not able to.

7 Q. Do you agree with the statement mesh  
8 shrinkage may be associated with pelvic pain?

9 MR. MORIARTY: Same objection.

10 A. I think it was the same thing we said  
11 before. There is -- when patients have pain,  
12 specifically the mesh being possibly shrinking or  
13 is shrinking, is that the cause of the pain, I  
14 guess it can be hard to say. So, that's my only  
15 concerning about making that blanket statement.

16 Q. Do you agree or disagree with the  
17 statement mesh shrinkage may be associated with  
18 urinary or defecatory dysfunctions?

19 MR. MORIARTY: Same objection.

20 A. I -- yeah, I guess I'm not sure if the  
21 mesh -- yeah, I guess I'm not prepared to say mesh  
22 shrinkage causes urinary or defecatory dysfunction,  
23 so no.

24 Q. Do you disagree or agree with the

1 statement mesh shrinkage may be associated with  
2 prolapse recurrence?

3 MR. MORIARTY: Form objection. Go  
4 ahead.

5 A. I would say that mesh shrinkage or mesh  
6 loosening, so yes, I would agree with that, could  
7 be associated with prolapse recurrence. I would  
8 say yes to that statement.

9 Q. And these authors cite three papers to  
10 support the statements that they make on this page  
11 of this presentation, correct?

12 A. I guess. I mean, it looks like these  
13 are slides, right? I mean, again, it seems to me  
14 that maybe this was IUGA, right. It was at a  
15 meeting and these are just copies of slides, I  
16 think, so these obviously are the papers they cite.  
17 I would have to go back through those papers are,  
18 but sure, it looks like they are giving those  
19 citations.

20 Q. Yeah, and my question was just the  
21 authors cite three papers.

22 A. Citations are definitely there.

23 Q. And I'm using the word "presentation" on  
24 when we are talking about this document, if that's

1 acceptable to you.

2 A. That's what it seems like it is.

3 Q. I actually counted approximately 25  
4 articles cited in this presentation by these three  
5 authors, correct? Would you agree that's something  
6 in that neighborhood from your perusing the  
7 document?

8 A. I would believe you if you said you  
9 counted them and there is 25.

10 Q. I said approximately, so don't hold me  
11 to an exact number either.

12 Okay. The next page, "Why does mesh  
13 shrinkage happen?" The bullet points, "An unclear  
14 etiology" is the first one. The second is  
15 "Shrinkage should not be considered as a  
16 complication of the biomaterial but as a  
17 consequence of the incorporation of the mesh to a  
18 scar tissue," and the third, "Biomaterials, even  
19 polypropylene, are not inert" with a exclamation  
20 point.

21 Do you agree with these authors who gave  
22 these three bullet points as why does mesh  
23 shrinkage happen?

24 MR. MORIARTY: Objection, form.



1           A.       Again, there is three. Mesh shrinkage,  
2       they say it's unclear, there is an unclear  
3       etiology. I agree with that.

4                   Shrinkage should not be considered a  
5       complication of the biomaterial but more  
6       incorporation of the mesh to scar tissue, I guess I  
7       would agree with that, although I think they --  
8       they -- they cite their first bullet point that  
9       there is an unclear etiology and then they say,  
10      well, it's because of this. So, I think it's still  
11      perhaps a little bit unclear.

12                  And biomaterials, even polypropylene, I  
13      would not agree are not insert. They cause some  
14      response, some host response.

15           Q.       On the next page, histological sequence  
16      after mesh incorporation, and it gives basically a  
17      pathological process by which it happens, correct?

18           A.       They discuss, right, how a immune  
19      response occurs, there is inflammation and then  
20      some of the wound contracture; yeah, they do.  
21      That's what the slide is.

22           Q.       And there are two articles cited on this  
23      page as well, correct?

24           A.       Yes.

1 Q. It says mesh contraction essentially  
2 takes place during the first two months, correct?

3 A. That's what it says here.

4 Q. So, if this were true, the Dietz paper  
5 who looks at shrinkage or contraction beginning at  
6 three months would not provide very much  
7 information on any shrinkage or contraction that  
8 takes place in the first two months, correct?

9 MR. MORIARTY: Objection.

10 A. Well, it might still be beneficial  
11 because, remember, they knew the starting point  
12 incident, and if the contraction occurs in the  
13 first two months, it's not going to re-expand.  
14 So, if you look at it at any point after two  
15 months, you will still be able to determine that  
16 the contracture occurred, so it may still provide  
17 very valuable information.

18 Q. Well, you understand that the Dietz  
19 paper took two points in time; the first point was  
20 after three months and the second point was  
21 sometime after three months?

22 A. Some time after that, correct.

23 Q. So you are not going to detect any  
24 shrinkage that occurs in the first two months, are

1     you, doing it in that method?

2                     MR. MORIARTY:  Objection, asked and  
3             answered.  Go ahead.

4             A.       Yes.

5                     MR. MORIARTY:  He just gave you an  
6             answer to that very question.

7             A.       In a perfect world it would be nice if  
8     you had the preoperative measurements and then  
9     sequential and serial measurement at two weeks,  
10    four weeks, six weeks, and you could really learn a  
11    little bit about that.

12                    So, I'm not immediately familiar with  
13    these two citations, so I can't know how they  
14    decided that the mesh contraction, what data they  
15    have to support that it occurs essentially in the  
16    two first two months.

17             Q.       Okay.  And I didn't ask you about the  
18    data that they have, but if you assume that mesh  
19    contraction essentially takes place during the  
20    first two months, as stated in this presentation,  
21    then a study that has their first point after three  
22    months and compares it with another point past the  
23    three months wouldn't be able to tell you anything  
24    about the contraction that takes place in the first

1 two months, would it?

2 MR. MORIARTY: Objection, asked and  
3 answered. Go ahead.

4 A. That's a tremendous "if," right? But  
5 sure, if you are looking for an event and if the  
6 event happened before you are looking for it, you  
7 are not going to be able to tell.

8 Q. Okay, all right. Thank you.

9 And the patients -- the authors state,  
10 "However, some observations support the idea of a  
11 chronic inflammation which persists several years."  
12 Do you agree with that statement?

13 A. It's such a vague statement I'm not sure  
14 how to agree or disagree. Some observations, what  
15 observations? I don't know what they are talking  
16 about, so I don't want to agree or disagree.

17 Q. Let's go to the page that says "How to  
18 assess mesh shrinkage? Clinical assessment."

19 A. Okay. I'm on that page.

20 Q. And one is "Transvaginal palpation of  
21 the mesh." Do you agree that transvaginal  
22 palpation of the mesh is a method to assess mesh  
23 shrinkage?

24 A. It's certainly a method that's used. I

1 agree with that.

2 Q. What is VAS of a vaginal pain?

3 A. That stands for visual analog scale.

4 Typically you have a scale oftentimes from 1 to 100  
5 and you ask a patient to put in a notation, zero  
6 being no pain, 100 being I guess the most severe  
7 pain you've ever had and they mark it on a piece of  
8 paper, and that's how you measure it then, so it's  
9 graded 30, 60, 90, depending on that scale. So,  
10 that's what a VAS scale is.

11 Q. And do you agree that VAS of vaginal  
12 pain is a method for assessment of mesh shrinkage?

13 A. No. VAS is a method for assessing  
14 vaginal pain. VAS doesn't tell you anything about  
15 mesh shrinkage.

16 Q. I guess these authors thought it was a  
17 way of quantifying the vaginal pain associated with  
18 mesh shrinkage. Would that be your assumption?

19 A. Obviously they would have been talking  
20 as they presented these slides, so it's a little  
21 hard to say. It looks like they are trying to make  
22 a comparison or a correlation, but again, the VAS  
23 is completely unrelated to anything about the  
24 anatomy of the mesh. It's strictly just -- it's a

1 pain scale that the patient describes.

2 Q. But they wouldn't be talking about  
3 vaginal pain from some other source, would they, on  
4 this slide about how to assess mesh shrinkage?

5 A. I'm not sure what they would be doing.

6 Q. Really?

7 A. Well, again, I didn't give the  
8 presentation.

9 Q. Okay. And the third bullet point on how  
10 to assess mesh shrinkage is "Assessment of sexual  
11 outcome." Do you agree that that would be a method  
12 of detecting, assessing mesh shrinkage?

13 A. Again, I'm not sure about the  
14 correlation. I think it's very important to assess  
15 pain scales and sexual outcomes, but again, I'm not  
16 quite sure where they are going with this in terms  
17 of correlating with mesh shrinkage.

18 Q. And then the fourth bullet point is "Use  
19 of a specific classification."

20 You are aware that the ICS published a  
21 methodology for determining mesh-related  
22 complications and grading them, classifying and  
23 grading them?

24 A. Yes.

1 Q. And you are aware that the ICS  
2 classification of mesh complications does give a  
3 grading system for mesh contraction and shrinkage?

4 A. Yes.

5 Q. So do you believe that that's what they  
6 are referring to under specific classification, or  
7 what is specific classification and method to  
8 assess mesh shrinkage?

9 A. Correct me if I'm wrong, we would have  
10 to look that up again. It has been around for I  
11 think a couple years. There is a good paper from  
12 the Cleveland Clinic that used that scale and an  
13 experience of about 25 or 30 patients. But as I  
14 said, I'm not sure that classification scale  
15 specifically pertains to mesh shrinkage. That  
16 scale just has to do with patients' symptoms and,  
17 you know, their vaginal exam.

18 I'm not sure part of that scale -- I  
19 would have to pull it up -- also measures or talks  
20 about the shrinkage that may have occurred.

21 Q. We will pull that up if I have time at  
22 the end.

23 So, the next couple of pages provide  
24 methods for classification, and the first is by an

1 author Debodinance that grades it four ways: Mesh  
2 palpable but not sensitive, moderate shrinkage  
3 and/or little symptomatic, severe shrinkage and/or  
4 symptomatic with sensitive palpation, and then  
5 grade 4, painful mesh palpation.

6           Would you agree that those are all --  
7 those would be degrees of or a way to grade mesh  
8 shrinkage on examination?

9           A.     Well, sure. I guess that's what this  
10 grading scale is for. Again, how accurate it is,  
11 that's why, as we had discussed earlier, certain  
12 practitioners now were incorporating transvaginal  
13 and translabial ultrasound to try to have a more  
14 objective scale to utilize to try to assess what's  
15 occurred there with mesh shrinkage.

16           Q.     And the next one is a mesh shrinkage  
17 classification by Cosson and Fatton, which I  
18 believe are also members of the Ethicon TVM group  
19 in France, correct?

20           MR. MORIARTY: Objection. Go ahead.

21           A.     I don't know if they are members of any  
22 group or what have you.

23           Q.     And then they give another  
24 classification system that's 1 through 5, with



1 asymptomatic being grade 1; spontaneous pain, grade  
2 5; and then a less than 50 percent or greater than  
3 50 percent degree of protection. Would you agree  
4 that would be another way to classify mesh  
5 shrinkage?

6 A. Well, there is nothing in the grading  
7 scale that talks about shrinkage, so I'm not sure  
8 how you use this scale.

9 Q. Well, it at least says degree of  
10 retraction, "A" or "B."

11 A. So where does the "A" or "B" go? Is "B"  
12 the ones that goes in 3, 4, 5 and then "A" in 1 and  
13 2?

14 Q. I believe -- well, this is a method of  
15 classification regardless of how you interpret it,  
16 correct?

17 A. Yeah. I mean, it looks like it's mostly  
18 using pain, though. I guess I'm not sure if you  
19 told me this woman who was a Grade 3 and the other  
20 was a Grade 4, what's that going to tell us about  
21 the mesh shrinkage.

22 Q. But it's a method of classification,  
23 correct?

24 A. Right, but you asked about the mesh

1 shrinkage. So, I don't know how I would use -- how  
2 -- you said one is a 3 and one is a 4, one is a 3,  
3 one is a 5. If you told me that, then how does it  
4 tell us what degree of mesh shrinkage is there?

5 Q. Then going to the next page, which is  
6 "Our Experience," and that would mean the  
7 experience of the authors, correct, who are the  
8 TVM, Ethicon Gynemesh and Prolift investigators,  
9 correct?

10 A. I mean, I guess. Again, you are just  
11 showing me these pieces of paper. You know, it's  
12 not part of a scientific paper. I'm not 100  
13 percent sure what this is, but I guess. It just  
14 says "Our Experience." Whose experience? Maybe  
15 these three guys, I guess. I don't know.

16 Q. Object. If there are three presenters  
17 of this and they say "our experience," would you  
18 not assume that the experience they are talking to  
19 is their own?

20 A. Yes, but is it the three, is it one of  
21 them? Sure.

22 Q. You do know that these three authors are  
23 members of the TVM group, correct?

24 A. You told me that, yes, and I think --

1 Q. And you don't know that?

2 A. I don't know that for a fact because I  
3 don't know that.

4 Q. But you wouldn't know that if I hadn't  
5 told you?

6 A. That's correct.

7 Q. Okay. And we have already discussed  
8 that Dr. Jacquetin is the patent holder on Prolift,  
9 correct?

10 MR. MORIARTY: Objection, form.

11 A. You told me that. I didn't know that.  
12 I don't have any reason to doubt.

13 Q. And they actually state here that it is  
14 perspective, so whoever it is, I would assume "our  
15 experience" is referring to the authors, but  
16 whatever.

17 The prospective control of 107 patients  
18 operated on between 2005 and 2006 with Prolift,  
19 right? I read that correctly?

20 A. Yeah. You read everything just fine  
21 typically.

22 Q. Okay. Let's go to their results. Okay?

23 A. Sure.

24 Q. The next page. And they are giving the

1 number of shrinked mesh and the mean shrinkage,  
2 tenderness at palpation and the mean VAS in case of  
3 tenderness, correct, is what is provided in this  
4 table?

5 A. That's what it looks like, correct.

6 Q. And their conclusion was a mean 15 to 25  
7 percent of shrinkage was perceived in 60 to 90  
8 percent of cases, correct?

9 A. Yes. That's what they are saying here.

10 Q. That's their results that they are  
11 reporting in this presentation, correct?

12 A. It looks that way.

13 Q. And then if we go to the next page --

14 A. Let me just point out, it doesn't  
15 explain what scale they used or how they assessed  
16 it per se, but those are the numbers they are  
17 citing here.

18 Q. Okay. And then the next page is  
19 "Clinical impact of mesh shrinkage," and it appears  
20 that they are reporting on the same series of  
21 patients. Agree?

22 A. I guess.

23 Q. And the first bullet is, "Spontaneous  
24 pelvic/perineal pain related to severe mesh

1 shrinkage present in three patients, 2.8 percent,  
2 with a mean VAS of 5/10."

3 Did I read that correctly?

4 A. Yes.

5 Q. The second bullet point is, "Tenderness/  
6 pain at vaginal examination associated with mesh  
7 shrinkage present in 21 patient, 19.6 percent, with  
8 a mean VAS of 5 out of 10."

9 Did I read that correctly?

10 A. Yes.

11 Q. And of the 13 patients sexually active,  
12 eight patients did not have dyspareunia, four  
13 patients had unchanged dyspareunia and one patient,  
14 de novo dyspareunia, correct?

15 A. That's correct.

16 Q. And eight patients sexually inactive,  
17 including one because of de novo dyspareunia,  
18 correct?

19 A. Correct.

20 Q. And then the next several pages are  
21 ultrasonic evaluation of mesh shrinkage, correct?

22 A. Yeah. It looks like that's what they  
23 are trying to do, yep.

24 Q. And it looks like it's from several

1 different authors; you would agree, correct?

2 A. Why do you think it's several different  
3 authors? Is there a citation?

4 Q. I at least see one that's from Tunn,  
5 T-u-n-n. I see one from Velemir, V-e-l-e-m-i-r. I  
6 see one that's from Shek, S-h-e-k. I think there  
7 are actually more than one study from Velemir.

8 A. Okay. And there is one, Lemmery, it  
9 looks like. Okay.

10 Q. And these all use transvaginal introital  
11 ultrasound, correct, unlike Dr. Dietz?

12 A. I guess, yes.

13 Q. It says "How to assess?  
14 Ultrasonography," and it says "Transvaginal  
15 introital ultrasound," right?

16 A. That's what it says on that first page.

17 Q. It doesn't mention ultrasound by any  
18 other technique, does it?

19 A. No, not that I can see.

20 Q. And it says ultrasonography can give  
21 objective measurement of length, configuration and  
22 thickness, correct?

23 A. That's what it says.

24 Q. And it can give a better understanding

1 of recurrence and postoperative pain or  
2 dyspareunia. I'm reading that correct, right,  
3 correctly?

4 A. You are reading it correctly.

5 I guess just to make clear, just because  
6 you are reading it and I agree hat you are reading  
7 everything accurately doesn't mean I agree or  
8 disagree with any of these things, right?

9 Q. I understand.

10 A. I'm just agreeing with your ability to  
11 read it.

12 Q. That's right, and I may ask followup  
13 questions later, but I will ask you if you agree or  
14 disagree when that's what I want to know.

15 A. Terrific.

16 Q. Understanding that you are not an expert  
17 in ultrasound evaluation of pelvic -- of mesh in  
18 the pelvic floor, you would agree that many of  
19 these ultrasound images in this presentation show  
20 folded, wrinkled or bunched mesh, would you not?

21 MR. MORIARTY: Objection.

22 A. Why do you think that? Based on what?

23 Q. Okay. Let's go to the first page,  
24 anterior mesh. Is the mesh in that picture lying

1 flat?

2 A. Well, as I said, I don't do these  
3 ultrasounds. If this line represents the mesh,  
4 that line between the bladder, the translucent  
5 bladder image and then the probe, you know, it's  
6 perfectly straight. I don't know. I mean, there  
7 is obviously contours in the vaginal wall. I'm not  
8 sure I see a fold there, if that's exactly -- if  
9 that's what the mesh is there, that white line.

10 Q. Is it lying flat?

11 A. Well, it may be lying --

12 MR. MORIARTY: Objection. He just  
13 answered the same question.

14 MS. THOMPSON: He didn't.

15 MR. MORIARTY: Yeah, he did.

16 MS. THOMPSON: All right.

17 A. If it's a bumpy surface, it may be lying  
18 perfectly flat on a bumpy surface.

19 Q. Let's go to the total monobloc mesh, and  
20 look in the picture upper right-hand side. Is that  
21 piece of mesh lying flat?

22 MR. MORIARTY: Objection. Just let  
23 the record reflect someone has drawn lines  
24 over the ultrasound image in these PowerPoint



1 slides.

2 BY MS. THOMPSON:

3 Q. Are you not able to interpret these  
4 ultrasounds? If so, we will just move on.

5 A. I'm happy to try, but I think it's wrong  
6 to assume that like the one that shows that "U,"  
7 right, kind of in a "U" configuration, that might  
8 be a sling, and that's exactly what you expect it  
9 to look like, it looks like a "U," and it's lying  
10 perfectly flat because the "U" represents the  
11 proximal urethra, and that's exactly what it should  
12 look like.

13 So, right, I don't expect it to be a  
14 straight line. The vagina is not filled with  
15 straight lines. The vagina has, you know, curves  
16 and folds, and obviously the slings will always  
17 be -- you know, they should look like that, it  
18 should look like a "U."

19 So, I apologize I'm not more  
20 knowledgeable about this, but I can't answer  
21 whether it's flat or not. That might be perfect.

22 Q. On that page that says total monobloc  
23 mesh, you are saying that the image on the  
24 right-hand side could be a sling?

1 A. Yes. I don't know.

2 Q. And then the page that is the link of  
3 the Sonomorphological Evaluation of Polypropylene  
4 Implants by Tunn, is the mesh on the left-hand side  
5 of that lying flat?

6 MR. MORIARTY: I'm sorry. Where are  
7 you?

8 THE WITNESS: Next one.

9 MR. MORIARTY: Okay. Thank you.

10 A. So, there is two on this page. There is  
11 a left-sided one and a right-sided one. This one  
12 isn't as clear to me. I guess I don't know. I  
13 don't want to comment.

14 Q. Okay. And the results from Dr. Tunn's  
15 study state that the decrease of the length size of  
16 60 percent, states that there is a decrease of the  
17 length size of 60 percent for the anterior mesh and  
18 of 65 percent for the posterior mesh.

19 Is that a significant amount of  
20 shrinkage in your opinion?

21 MR. MORIARTY: Objection. Go ahead.

22 A. I guess I would only say I would  
23 correlate that with -- with the anatomic exam, and  
24 so I don't know whether it's significant or not. I

1 don't think I need to see it correlated with the  
2 objective anatomic exam, vaginal exam and also  
3 patient symptoms.

4 Q. I'm not asking about exam and symptoms.  
5 I'm asking about is Dr. Tunn's findings that the  
6 mesh shrinks, and we have defined that as decrease  
7 in length size, 60 percent in the anterior and 65  
8 percent of the posterior mesh. Is that a  
9 significant amount of shrinkage?

10 MR. MORIARTY: Objection, asked and  
11 answered.

12 A. Well, again, the mesh is only there to  
13 help the cystocele or the rectocele. So, if that  
14 shrinkage isn't causing any problems, then it's not  
15 significant, and I just don't know if -- again,  
16 there is no correlation with the anatomy or the  
17 patient symptoms and such, so I'm not sure how to  
18 interpret it. It's just a number.

19 Q. And he also found that the mesh  
20 supported 40 percent of the length of the anterior  
21 vaginal wall and 50 percent of the length for the  
22 posterior mesh. Is that significant?

23 A. Same response to the previous question.  
24 I don't know.

1 Q. On the following page, the paper by  
2 Dr. Shek, who looked at 46 patients with  
3 transobturator anterior mesh and concluded that  
4 patients with good clinical results had mesh well  
5 spread out, minimal folding and both effective  
6 anchoring arms, would you agree that that's what  
7 would occur in patients with good clinical results?

8 A. Well, it says "patient." It's not  
9 plural. It says "patient," so a patient with good  
10 clinical results, and I guess a good clinical  
11 result is desirable.

12 It's nice to see that this one patient  
13 with a good clinical result, it looks like the mesh  
14 is where he expects it to be, there is minimal  
15 folding and the anchoring arms seem to be  
16 effective. But as I said, I just don't know if  
17 that means if it's -- if the reason for the  
18 clinical results is because it looks so good on  
19 ultrasound.

20 Q. So you think that only one of the 46  
21 patients he looked at had the good clinical result?

22 MR. MORIARTY: Objection.

23 A. No. I didn't say that.

24 Q. Well, you said it referred to one

1 patient.

2 MR. MORIARTY: Well, it does. It's  
3 singular right on the page you are reading  
4 from.

5 MS. THOMPSON: Okay. Well, we will  
6 just go with that then. We will assume one  
7 out of 46 patients had the good clinical  
8 result.

9 MR. MORIARTY: Objection, form and  
10 otherwise. You can't assume that. You just  
11 asked him about what's printed on this page.  
12 You haven't given him the study.

13 MS. THOMPSON: I suspect that's a  
14 typo, but if he believes that refers to one  
15 patient, it is on the record.

16 BY MS. THOMPSON:

17 Q. Going to the next page, Shek study, in  
18 that one a patient with recurrent cystocele had  
19 dislodgment of the superior arm and voiding  
20 dysfunction. Would you agree that dislodgment of a  
21 arm of Perigee could cause recurrence and voiding  
22 dysfunction?

23 MR. MORIARTY: Objection. Go ahead.

24 A. I don't think the -- I would disagree.

1 I don't think the arm causes it. I think the  
2 recurrent cystocele can cause voiding dysfunction  
3 and whether the recurrent cystocele is because of  
4 the dislodgment of one of the arms, I guess I'm not  
5 sure.

6 Q. Velemir on the next page in this paper  
7 states that recurrences are associated with severe  
8 mesh retraction. Would you agree that recurrences  
9 are associated with severe mesh retraction?

10 A. I'm sorry, counsel. Which page? This  
11 next one, Velemir?

12 Q. The results at the top of the page,  
13 Velemir.

14 A. I'm sorry.

15 Q. "Recurrences after transvaginal mesh  
16 repair are associated with severe mesh retraction  
17 and loss of mesh support on the distal part of the  
18 vaginal walls."

19 Would you agree that recurrences are  
20 associated with severe mesh retraction?

21 A. I guess they may be associated with some  
22 mesh retraction, but I think the more important  
23 thing is the second part of that sentence, loss of  
24 mesh support. So, I think it's the support, not so

1 much whether the mesh is contracted a little. I  
2 think it is the actual support that is more  
3 essential to the recurrence.

4 Q. Do you use sutures to fix -- when you  
5 used Prolift, did you use sutures to fix the  
6 device?

7 A. On a case-by-case basis. There  
8 wasn't -- sometimes we would supplement things by  
9 helping it sort of spread out if the anatomy  
10 necessitated it, so there wasn't a always suture  
11 use or always no suture use.

12 Q. I'm going to skip ahead to the "Reduce  
13 mesh exposition 10 rules."

14 A. How far along are we?

15 Q. I don't know. Past all the ultrasounds.

16 A. Okay. "How to prevent expert opinion,"  
17 is that it?

18 Q. No, the next one, "Reduce mesh  
19 exposition."

20 A. Got it.

21 Q. What is mesh exposition?

22 A. Extrusion, exposure.

23 Q. Do you agree that experienced surgeons  
24 have less, a lower exposure rate than inexperienced

1 surgeons?

2 MR. MORIARTY: Objection, form.

3 A. I would like to think so. Obviously you  
4 need to get some studies of inexperienced surgeons  
5 and correlate that with the experienced surgeons,  
6 but I think in general probably experienced  
7 surgeons tend to get better outcomes.

8 Q. And you would agree that most of the  
9 peer-reviewed literature is published by  
10 experienced surgeons, correct?

11 A. Not always, but a lot of it is, sure.

12 Q. And because of that, you oftentimes  
13 don't see results in the peer-reviewed literature  
14 of less experienced community surgeons, correct?

15 A. I think it's safe to say that all the  
16 results that occur of any procedure between  
17 experienced or inexperienced surgeons, not  
18 everything makes its way into the -- into the  
19 literature.

20 Q. Let's talk about Prolift in particular.  
21 Are any of the Prolift studies published by  
22 inexperienced community surgeons?

23 MR. MORIARTY: Objection.

24 MS. THOMPSON: It's a good question,



1 actually.

2 MR. MORIARTY: It's a great question  
3 but not for this setting, so I will object to  
4 it, form and otherwise, but you can answer it.

5 A. Well, you know, I don't -- I will just  
6 answer by saying I don't know what absolute number  
7 you go from inexperienced to experienced, and we  
8 can argue about that all day, right, and so you  
9 would have to look at it. But there is a lot of  
10 studies, and really, without looking at every  
11 single one of them it would be hard to say.

12 I think your point earlier, generally  
13 more experienced surgeons have more results to  
14 write about and generally write up their  
15 experiences. So, less experience, whether you are  
16 in an academic institution or in private practice,  
17 probably write up their experience less just  
18 because they have smaller numbers; and when we try  
19 to publish papers, a greater experience allows you  
20 to get the paper published.

21 Q. Let's narrow it down a little bit. Are  
22 any of the Prolift RCTs published by community  
23 physicians?

24 A. So, for instance, Peter Sand here in

1 Chicago, he works at Evanston Hospital. He is in  
2 private practice, so he is considered a community  
3 doctor even though he has got a fellowship. So, it  
4 depends on how you define these things. Again, I  
5 don't know if it is a good terminology to use  
6 community or --

7 Q. Are any of the Prolift RCTs published by  
8 community surgeons?

9 MR. MORIARTY: Objection, asked and  
10 answered.

11 Q. He talked about Peter Sand. Peter Sand  
12 hasn't published an RCT on Prolift, has he?

13 A. Well, he published on a lot of  
14 experiences with mesh-type procedures.

15 Q. Has he published an RCT on Prolift?  
16 That was the question.

17 A. I don't think so. He has published on  
18 Boston Scientific's product.

19 Q. I will ask again. Have any of the  
20 Prolift RCTs been published by community  
21 physicians?

22 A. I'm not sure.

23 Q. And if that's what you are relying on  
24 for your data, you would not be able to determine

1 data that would be coming from community surgeons,  
2 correct?

3 A. No. Why is that?

4 MR. MORIARTY: What's what you are  
5 relying on data?

6 Q. If you are relying on Prolift RCTs for  
7 data, you would not be able to determine what the  
8 data would be if reported by community physicians,  
9 correct?

10 A. Well, we just said we are not sure  
11 whether some of the community physicians have  
12 published [overlapping and indistinguishable  
13 speaking].

14 Q. Assuming that -- that no RCTs have been  
15 published on Prolift by community physicians, you  
16 wouldn't be able to tell what the community  
17 physician experience would be compared to the  
18 physicians who are publishing the RCTs, correct?

19 A. Well, no. You wouldn't have RCTs but  
20 we -- you know, we get community experiences all  
21 the time. We see their patients because they get  
22 sent into academic centers. We go out to --

23 Q. With complications, right?

24 A. Sometimes there are complications. We

1 go out to, you know, dinner and we have, you know,  
2 meetings and we have a Chicago Urologic Society.  
3 We talk about this all the time.

4 So, I think at least in Chicagoland the  
5 community urologists have a lot of input into sort  
6 of our -- you know, what we discuss and stuff, so  
7 we have some sense about that. But I guess, no, if  
8 they are not -- the RCTs, if they are not producing  
9 any RCTs, then obviously we are not going to get  
10 that information on RCTs.

11 Q. Do you agree that there is a knowledge  
12 gap between community mesh users and academic  
13 physicians who are taking care of mesh  
14 complications, as is well published in the medical  
15 literature?

16 A. That the knowledge gap is well  
17 published?

18 Q. A knowledge gap.

19 A. You say there is a knowledge gap that's  
20 well published?

21 Q. Yes. Do you believe there is a  
22 knowledge gap as is published in the literature?

23 A. Well, I think that's an awfully broad  
24 statement to make. I think some community guys,

1     there may be a knowledge gap, but, you know, I  
2     don't know if it's universal.

3             Q.     I didn't ask if it's universal. Is  
4     there a gap?

5             A.     Well, again, yes. So, no; there is a  
6     gap in some places, there is not a gap in other  
7     places. So, you know, again, you have to say  
8     where. I mean, there is some excellent -- some  
9     doctors I trained who have had a wealth of  
10    experience working with me and work at Christ  
11    Hospital, you know, seven miles down the road; and  
12    so he is a community urologist but he is excellent,  
13    has a wealth of experience. So, I'm not sure.  
14    There wouldn't be a gap between he and I.

15            Q.     Moving to the page -- well, "Use large  
16    mesh taking into consideration a global mesh  
17    shrinkage of 40 percent." Do you see that page?

18                   MR. MORIARTY: Where are you?

19                   MS. THOMPSON: Two pages from where we  
20    were.

21    BY MS. THOMPSON:

22            Q.     Well, let's go to the next page. So,  
23    the next page is how to prevent mesh shrinkage, and  
24    that would be modulate the mesh characteristics,

1 and it includes mesh size, pore size, quantity of  
2 materials, other including textile structure, weave  
3 configuration and fiber diameters.

4 A. What is this referring to? It says how  
5 to prevent. What are they preventing here? What  
6 is it?

7 Q. Well, don't you think they are talking  
8 about mesh shrinkage since it's how to prevent?

9 A. Well, the previous slide was on mesh  
10 exposure, so why do you think it --

11 Q. Okay. Well, let's say either one.  
12 Let's say mesh exposure or shrinkage, how to  
13 prevent, modulate the mesh characteristics. Do you  
14 believe that mesh characteristics have something to  
15 do with mesh exposure or mesh shrinkage?

16 A. I think the quality of the mesh has a  
17 lot to do with outcomes.

18 Q. The next page, "Use large mesh taking  
19 into consideration a global mesh shrinkage of 40  
20 percent." Is 40 percent mesh shrinkage that you  
21 need to take into consideration significant?

22 A. Again, we talked a little bit about that  
23 before. No, I don't know where that 40 percent  
24 number comes from.

1           Q.     We are going through this paper with 25  
2     citations, all of which are discussing shrinkage  
3     and the clinical implications; and the only paper  
4     you provided in your expert report was one from  
5     Dietz, the only paper in the literature that  
6     questions the phenomenon of mesh shrinkage. Why is  
7     that? I can't understand it.

8                     MR. MORIARTY: Objection, form. Go  
9     ahead.

10          A.     Again, counselor, you know, if I had --  
11     if I probably had more time I probably would have  
12     included more resources and references, but, you  
13     know, we picked out some of the papers we did, and  
14     certainly you are allowed to be critical of some of  
15     them. But you know, it's a published paper in the  
16     peer-reviewed literature, and obviously it's been  
17     peer reviewed. You know, we selected it, so I  
18     don't --

19          Q.     It was one paper that supported your  
20     opinion, correct?

21                     MR. MORIARTY: Objection. Go ahead.

22          A.     Yes.

23          Q.     And who is "we"?

24          A.     Well, again, it's my work, but as you

1 know, it was, you know, put together and looked at  
2 by some of the other attorneys and such. But  
3 again, it's my work, it's my report.

4 Q. And then the next page, "Influence of  
5 mesh porosity on tissue reaction and mesh  
6 shrinkage." Would you agree that mesh porosity has  
7 an effect on tissue reaction and mesh shrinkage?

8 A. Yes.

9 Q. And there are three publications  
10 supporting that, correct?

11 A. I'm sure there is more, but there are  
12 three cited here in this, on this slide.

13 Q. And the next page, "Influence of mesh  
14 quantity." Do you agree that lightweight meshes  
15 may have greater biocompatibility and may reduce  
16 patient complaints?

17 A. Yes, I would agree with that.

18 Q. And less material equals less host  
19 tissue response; do you agree with that?

20 A. Correct.

21 Q. And there are four citations for those  
22 statements, correct?

23 A. Yeah, it looks like maybe three on that  
24 one. Is there three?



1 Q. Three. Sorry. I meant three.

2 A. That's okay, counsel. We have been  
3 going for three hours. That's no problem.

4 Q. We are on the next page. We'll skip how  
5 to prevent the future.

6 "How to manage dyspareunia, shrinkage  
7 and bands," and it gives the various methods of  
8 treating dyspareunia, shrinkage and bands.

9 Did you see anything in the information  
10 that Ethicon provided to physicians that advised  
11 physicians on management of the mesh complications  
12 with their products?

13 A. Anything like a -- what specifically?

14 Q. Like if you talked anything about  
15 removing mesh or managing mesh complications.

16 A. I don't think so.

17 Q. Going to "Mesh excision, Our  
18 experience," and I'm going to assume that's the  
19 experience of the authors of this presentation, but  
20 whichever, they report 121 surgical procedures  
21 performed by vaginal mesh complications in our unit  
22 from 1997 to 2006. That's what it says, right?

23 A. That's what it says.

24 Q. And most cases were referred.

1           Is it your experience that most cases of  
2   mesh complications are referred rather than treated  
3   by the original implanting surgeon?

4           A.     You know, I'm not 100 percent sure the  
5   denominator, but I can tell you my personal  
6   experience is that the vast number, the much higher  
7   percentage of the mesh complications I have taken  
8   care of have been referred in. They are not my own  
9   patients.

10          Q.     And you are aware that the medical  
11   literature also supports that most referrals into  
12   tertiary academic centers are coming from someone  
13   other than the original implanting surgeon,  
14   correct?

15          A.     Well, sure. It wouldn't be a referral  
16   then if it was your own patient.

17          Q.     No. I'm saying the referrals are not  
18   coming from the original implanting surgeon; they  
19   are coming from someone other than the original  
20   implanting surgeon.

21                 MR. MORIARTY: Objection. You mean  
22                 like lawyers, or what are you talking about?  
23                 Doctors?

24                 MS. THOMPSON: Doctors other than the

1 original implanting surgeon.

2 A. I didn't know that. Is there literature  
3 to support that? I didn't know that.

4 Q. Yes, there is.

5 A. Okay.

6 Q. And so in their experience here, of the  
7 121 surgical procedures to remove -- and we don't  
8 have a denominator at least on this page that we  
9 are looking at, correct?

10 A. Sure.

11 Q. And probably not in the procedure since  
12 most of them were referred.

13 Pain is the reason for the surgical  
14 procedures in 19.8 percent, at least in this  
15 experience, correct?

16 A. Yes. That's what it says here.

17 Q. And removing mesh can be a morbid  
18 procedure, correct?

19 A. It can be.

20 Q. And it's not something that you would  
21 take lightly, remove a patient's mesh for lots of  
22 reasons, correct?

23 A. Well, it depends on the patient and the  
24 amount of mesh, but in general, sure, it's a

1 complication. And again, I like to think that any  
2 procedure we do we take seriously, but for sure.

3 Q. Because it could create a recurrence of  
4 the condition, correct?

5 A. Absolutely.

6 Q. It could not alleviate the symptoms that  
7 the patient is presenting with, correct?

8 A. Depending on the symptoms it may not.

9 Q. And at least in some procedures removing  
10 the mesh requires extensive dissection and  
11 sometimes damage to adjacent organs, correct?

12 A. Well, I guess there was a risk of damage  
13 to the adjacent organs. I like to think that in  
14 the academic centers where people have experience  
15 we are generally not damaging adjacent organs,  
16 but...

17 Q. What about in nonacademic centers where  
18 the physicians don't have the experience that you  
19 do?

20 A. I'm not sure what's going on in those  
21 places.

22 Q. And you have never seen anything  
23 published by community doctors that are taking care  
24 of mesh complications or removing mesh either,

1 correct?

2 A. Yes, I can't say I have, but there is a  
3 lot of literature out there. There may be some of  
4 those papers where community doctors, possibly.

5 Q. Going to the "Concerns raised by mesh  
6 removal."

7 A. Yep.

8 Q. Let's go to the second bullet point.  
9 "Severe mesh retraction often requires a complete  
10 removal of the mesh to relieve symptoms and avoid  
11 multiple procedures." Would you agree with that?

12 A. It may. It's a very broad statement.  
13 I'm not sure you can say that it always requires  
14 complete removal of the mesh.

15 Q. Well, the statement was often requires,  
16 so not may and not always. Would you agree that  
17 severe mesh retraction often requires a complete  
18 removal of the mesh?

19 A. I don't know. What does often mean?  
20 What percentage of the time?

21 Q. So you can't answer that question,  
22 whether you agree or disagree with that statement?

23 A. Well, no. I agree that it may require a  
24 complete removal. I just didn't want to quantitate

1 the frequency.

2 Q. My question wasn't whether it may. My  
3 question is do you agree with the statement severe  
4 mesh retraction often requires a complete removal  
5 of the mesh to relieve symptoms and avoid multiple  
6 procedures?

7 A. Wait. So as I said, if it said "may"  
8 and not "often" I would agree with it. I don't  
9 know what the difference is between "may" and  
10 "often."

11 Q. So you can't answer the question if you  
12 use the word "often" because you don't know what  
13 "often" means; is that what you are saying?

14 A. Correct.

15 Q. And that's fine. I just want to make  
16 sure we have the correct opinion.

17 A. I agree. I'm just trying to be accurate  
18 with my statements.

19 Q. Okay. Three, "If the arms of the mesh  
20 are involved in the symptoms, the dissection has to  
21 be carried out quite laterally so the arms can be  
22 transected as deep as possible."

23 Do you agree with that statement?

24 A. I agree with that statement.

1 Q. The next one, "Complete resection may  
2 induce prolapse recurrence and vaginal distortion/  
3 shortening which can be taken into consideration  
4 before and during the surgery." Do you agree with  
5 that statement?

6 A. I agree with that statement.

7 Q. Okay. Let's go to the conclusion page,  
8 the next page. "Conclusion. Mesh shrinkage is  
9 real." Does that contradict your opinions given in  
10 your expert report?

11 MR. MORIARTY: Objection.

12 A. I think all along I have told you that I  
13 believe mesh shrinkage can occur. At issue I think  
14 between you and I was how clinically relevant it  
15 is.

16 Q. Let's read your exact statement, which  
17 is "There is no medical literature conclusively  
18 establishing that mesh contracts with vaginal use  
19 to clinically significant degrees." Is that still  
20 your opinion?

21 A. Yes.

22 Q. Despite these 25 papers cited in this  
23 describing significant mesh contraction and the  
24 clinical implications, you still will go with your

1 opinion based on Dr. Dietz's article only there is  
2 no medical literature conclusively establishing  
3 that mesh contracts with vaginal use to clinically  
4 significant degrees?

5 MR. MORIARTY: Objection, form. Go  
6 ahead.

7 Q. Are you maintaining this opinion?

8 A. I'm maintaining that opinion.

9 Q. And mesh shrinkage occurs during the  
10 scarring and remodeling process; do you agree with  
11 that?

12 A. Yes.

13 Q. May result in an unpredictable way in  
14 severe complications, including dyspareunia, pain  
15 and recurrence; I guess you disagree with that  
16 statement?

17 MR. MORIARTY: Objection, form. Go  
18 ahead.

19 A. Well, yes, I guess I would disagree with  
20 that. I guess it's unpredictable. I would agree  
21 that everything is unpredictable here with mesh  
22 shrinkage and these complications.

23 Q. Do you agree that mesh shrinkage may  
24 require mesh removal?



1           A.       In and of itself, a small degree of  
2       shrinkage, I don't know why then it would  
3       necessitate mesh removal. I think you would have  
4       to have other symptoms to require mesh removal:  
5       Recurrence of the prolapse, pain, infection,  
6       exposure, et cetera.

7           Q.       I'm just asking whether you agree with  
8       the statement mesh shrinkage may require mesh  
9       removal. Do you disagree or agree with that  
10      statement?

11          A.       I disagree with that. Why would it?

12          Q.       Mesh shrinkage must be taken into  
13      consideration during patient counseling before  
14      surgery; do you agree or disagree with that  
15      statement?

16          A.       I think as opposed to or as it relates  
17      to outcomes, I think patient counseling should  
18      include comments about the mesh, the implications  
19      of the mesh and what may occur with the mesh after  
20      the fact.

21          Q.       I assume you would not counsel your  
22      patients on mesh shrinkage since you don't believe  
23      that there is any literature that establishes that  
24      it contracts with vaginal use to clinically

1 significant degrees, correct?

2 A. That's correct. I specifically don't  
3 talk about shrinkage as one of my concerns and side  
4 effects and complications.

5 MR. MORIARTY: You have seven or eight  
6 minutes left. I'm on analog.

7 MS. THOMPSON: Okay. I trust you will  
8 let me go a few minutes beyond that.

9 MR. MORIARTY: Don't necessarily  
10 assume that.

11 MS. THOMPSON: Considering we have  
12 three products and I am entitled to three plus  
13 two, plus two and I only agreed to a limited  
14 time for the Doctor.

15 MR. MORIARTY: I negotiated a time  
16 with Fidelma because there was a disagreement  
17 over how much time we got. Does that  
18 necessarily mean I have to give you a bunch  
19 more time?

20 MS. THOMPSON: So that's seven minutes  
21 on the record that I have left? You didn't  
22 count right?

23 MR. MORIARTY: I subtracted breaks. I  
24 took a break at 90 minutes, 90 minutes, and we

1 are counting down to 60 minutes.

2 MS. THOMPSON: I will do my best to  
3 finish in seven minutes.

4 MR. MORIARTY: I will give you an  
5 extra minute or two if you are right in the  
6 middle of something, but...

7 MS. THOMPSON: Wow. That's hard core.

8 MR. MORIARTY: Well, I have been held  
9 to the same time limits in every deposition.

10 MS. THOMPSON: I have certainly given  
11 my defense counsel some latitude, particularly  
12 when there is this much to cover in the three  
13 hours or whatever it is, so, but I will try --  
14 we are wasting time, so can we take off --

15 MR. MORIARTY: We have six more hours  
16 after you are done.

17 MS. THOMPSON: I understand.

18 And if we can subtract that couple  
19 minutes for the discussion, that would be  
20 nice. I actually just have a few more  
21 questions.

22 BY MS. THOMPSON:

23 Q. What does mesh degradation mean to you?

24 A. What does it mean to me?

1 Q. Um-hmm.

2 A. Well, that the mesh may -- I guess the  
3 term "degrade" just means it may sort of fracture  
4 and fragment and come apart a little bit.

5 Q. And is it your opinion that  
6 polypropylene mesh in the Prolift and Gynemesh  
7 products does not degrade?

8 A. My opinion would be that it does not  
9 degrade to any clinically relevant degree.

10 Q. And if you were shown Ethicon documents  
11 that contradict that, would that change your  
12 opinion?

13 MR. MORIARTY: Objection, form. Go  
14 ahead.

15 A. No.

16 Q. And what is the basis for your opinion  
17 that polypropylene mesh as used in the Ethicon  
18 products does not degrade?

19 MR. MORIARTY: Objection, form. Go  
20 ahead.

21 A. So, primarily my hundreds of cases that  
22 I have done and the other probably 150 cases of  
23 going back in mesh-related complication cases and  
24 such, and it's just never been my experience that

1 degradation has -- is a reason for any -- any -- is  
2 a cause of any clinical significance.

3 Q. Is there any peer-reviewed literature  
4 that would tell you that polypropylene mesh in  
5 Ethicon products does not degrade?

6 A. I don't think there is good literature  
7 supporting that it does or does not that has any  
8 clinical significance.

9 Q. What have you done in your clinical  
10 practice to test for degradation?

11 A. Well, obviously we go back sometimes  
12 when we go back and reoperate and so you find the  
13 mesh, and it's never been my experience that the  
14 mesh is gone or has fragmented or is no longer in  
15 place. Again, it always scars in pretty well and  
16 it always seems like the mesh is pretty intact, so  
17 that's why it --

18 Q. Does the fact that it's not gone mean it  
19 hasn't degraded?

20 A. Well, if it degrades, you would expect  
21 it, right, to fragment and be apart and not still  
22 be a continuous body and have the same degree of  
23 cohesiveness.

24 Q. Have you ever looked at degradation

1 histologically in mesh samples?

2 A. I have been shown pictures and stuff,  
3 and there has been some literature on that a little  
4 bit. But as I said, I don't disagree that perhaps  
5 some degradation may occur. The thing is whether  
6 it occurs to the extent that it is of any clinical  
7 relevance. Histologically or under the microscope,  
8 you know, you might be able to see a few fragments  
9 or what have you, but I don't think that equates to  
10 any appreciable concern clinically and surgically.

11 Q. What would be the latency period between  
12 placement of mesh and the development of a  
13 malignancy if it were to occur?

14 A. The latency period?

15 Q. Yes. Do you know what latency period  
16 means?

17 A. I do.

18 Q. Okay. What would be the latency period  
19 as published?

20 A. Well, I mean, obviously a latency period  
21 could be anything, right? You can have a mesh --  
22 you know, we have been putting these things in  
23 since, what, 2005, 2006 we said. So, you know,  
24 maybe there is latency period of 40 or 50 years.

1 I just don't know, but I don't think there is any  
2 literature to support that there is any concerns  
3 about a latency period and the development of  
4 carcinogenesis.

5 Q. If the latency period was 30 years, we  
6 have not been using transvaginal mesh long enough  
7 to be able to appreciate whether there is a  
8 malignancy potential or not, correct?

9 A. That's absolutely correct.

10 Q. Going to your opinions regarding your  
11 opinions the IFU, it's your opinion that the IFU is  
12 not intended to serve as a comprehensive guide,  
13 correct?

14 A. The IFU is not a comprehensive guide.

15 Q. And is it also your opinion that all of  
16 the -- well, I will just read it. Isn't it your  
17 opinion that the Prolift IFU adequately warned of  
18 all risks and potential complications associated  
19 with the Prolift?

20 A. I think on balance the IFU was thorough.

21 Q. So it did warn of all risks and  
22 potential complications associated with the  
23 Prolift?

24 A. Well, one risk of doing vaginal surgery

1 or any surgery is a patient can have a heart attack  
2 or a patient could die from the anesthetic. So,  
3 the IFU didn't discuss that, so no, the IFU wasn't  
4 100 percent comprehensive because there is always  
5 complications that can occur that aren't cited.

6 Q. Did the IFU discuss chronic pain?

7 A. We will have to pull out the IFU so I  
8 can read it. There has been several variations and  
9 several versions of the IFU, right? So it changed  
10 a little bit.

11 MS. THOMPSON: Mark that.

12 (Bales Exhibit 27 was marked for  
13 identification.)

14 BY MS. THOMPSON:

15 Q. Is this a Prolift IFU that I just handed  
16 you and marked as Exhibit 27? Does it contain  
17 anything regarding chronic pain?

18 A. Yes. It discusses inflammation and, you  
19 know, scarring.

20 Q. Is inflammation and scarring the same as  
21 pain?

22 A. Well, it causes pain. It doesn't use  
23 the terminology "pain."

24 Q. Well, it does use the terminology



1 "transient leg pain may occur and can usually be  
2 managed with mild analgesics," but my question is  
3 does it say anything about chronic pain?

4 MR. MORIARTY: Objection, form.

5 BY MS. THOMPSON:

6 Q. I don't have very much time. If you  
7 could try as best you can to answer.

8 A. Well, there is ten bullet points, so I'm  
9 just -- so no, I don't think so.

10 Q. Or else I can go off the record each  
11 time you are thinking.

12 A. I don't think so.

13 Q. Okay.

14 A. I guess not.

15 Q. Is there anything that discusses a need  
16 for multiple corrective surgeries or any corrective  
17 surgery?

18 A. No.

19 Q. Is there anything that mentions that the  
20 complications may be permanent?

21 A. It doesn't say anything about permanent  
22 complications.

23 Q. What's the rate of exposure with  
24 Prolift?

1           A.       Again, there is various rates, and it  
2       depends whether there was an associated  
3       hysterectomy, so it's not at simple as just saying  
4       Prolift across the board.

5                   I think there is risk factors that can  
6       make a higher incidence occur. So, in general it  
7       can be anywhere from, you know, 1 to 15 to 20  
8       percent, but as I said, there is multiple factors:  
9       Atrophic changes in the vagina, history of  
10      radiation. So, it's hard to just come up with just  
11      one number.

12           Q.       You discuss in your report several  
13      patient conditions that increase risk, including  
14      smoking, poorly controlled diabetes, early return  
15      to exercise, lifting or vaginal sexual activity --  
16      I'm on Page 7 and 8 -- and noncompliance with  
17      estrogen supplementation, and then also younger  
18      age, higher parity and concomitant hysterectomy.

19                   Is there anything in the IFU about those  
20      conditions being risk factors for Prolift  
21      complications?

22           A.       I don't think it discusses a whole lot  
23      about potential risk factors.

24           Q.       Do you believe -- I'm going to hand you

1 the Gynemesh.

2 MR. MORIARTY: So we are already past  
3 the time.

4 MS. THOMPSON: I would like to have  
5 five more minutes. I have one more exhibit  
6 after this.

7 MR. MORIARTY: Five minutes less for  
8 Jake and Steve.

9 MR. PLATTENBERGER: We will give up  
10 five minutes, won't you, Steve?

11 MS. THOMPSON: I'm going to be much  
12 more hard core with my defense counsel.

13 (Bales Exhibit 28 was marked for  
14 identification.)

15 BY MS. THOMPSON:

16 Q. I will represent for the sake of time  
17 that this is the 2015 Gynemesh IFU, and you know  
18 that in this IFU that transvaginal use of Gynemesh  
19 is not included in this IFU, correct?

20 A. Yes, okay.

21 Q. And you will agree with me also that  
22 there is a much longer list of adverse reactions in  
23 the 2015 Gynemesh IFU than are in the Prolift,  
24 correct?

1 A. Yeah, there is a lot more bullet points.

2 Q. Dr. Bales, do you believe that mesh  
3 complications are overexaggerated or exaggerated?

4 MR. MORIARTY: Objection, form. Go  
5 ahead.

6 A. I don't know if I can say one way or the  
7 other.

8 Q. You can't say one way or the other  
9 whether mesh complications are exaggerated?

10 A. Well, so let me answer that as  
11 accurately as I can. I think there are some  
12 patients who overexaggerate their complications,  
13 but, you know, complications with mesh surgeries  
14 and any surgery, there is complications that occur,  
15 and so I don't know if we can say exaggerated or  
16 overexaggerated. So, as I said, it depends on a  
17 case-by-case, patient-to-patient basis.

18 For sure there are patients who I see  
19 commonly who have heard about the litigation and  
20 certainly overestimate the risk of having had the  
21 mesh. I guess that's as accurate as I could be.

22 MS. THOMPSON: If we could go ahead  
23 and mark that as 29.

24 (Bales Exhibit 29 was marked for

1 identification.)

2 BY MS. THOMPSON:

3 Q. Do you remember seeing this in Urology  
4 Times Urology titled "FDA warning on mesh held  
5 little surprise for urologists"?

6 A. Yeah.

7 Q. And do you see that you are one of the  
8 several urologists quoted in this what we sometimes  
9 call throw-away journal, correct?

10 A. You are disparaging me now. Come on.

11 MR. MORIARTY: No. She is disparaging  
12 the journal.

13 Q. Under "Concerns exaggerated?" it says,  
14 "Although he knows there can be complications,  
15 Gregory Bales, M.D..."

16 That's you, right?

17 A. That's me.

18 Q. And that's your picture, right?

19 "...suggests that some of the concerns  
20 may be exaggerated for external reasons."

21 Did I read that correctly?

22 A. Yes.

23 Q. And is that your opinion still to this  
24 day? I'm not sure when this was published. 2012.

1           A.       Yeah. I think I just indicated a few  
2       moments ago that some of the patients definitely  
3       exaggerate their complications, so yes.

4           Q.       And the quote, "At least here in  
5       Chicagoland, we have a lot of radio and television  
6       ads by attorneys, so it's on the patients' minds.  
7       I try to be proactive and have a discussion before  
8       surgery. We don't have an inordinate number of  
9       complications with mesh, and I believe it gives  
10      some patients a better long-term outcome."

11                   Was that a quote that came from you?  
12      You weren't misquoted on that?

13           A.       I don't think so.

14           Q.       And a little further down you say,  
15      "Patients with significant atrophic changes won't  
16      do us well and those patients at higher risk for  
17      erosion."

18                   You would agree with me that all  
19      menopausal women have some degree of atrophic  
20      changes unless they are on estrogen replacement,  
21      correct, or local estrogen therapy?

22           A.       Yes, postmenopausal to varying degrees.

23           Q.       And so that you really can't use a mesh  
24      device and count on a woman not having atrophic

1 changes, correct, if she lives long enough to go  
2 into menopause?

3 A. Correct, and again, atrophic changes  
4 vary from person to person considerably; and as you  
5 just acknowledged, we can supplement their vaginal  
6 tissue with hormonal cream and stuff to rid the  
7 patient of those atrophic changes.

8 Q. Is there anything in the Ethicon  
9 Gynemesh Prolift -- let me start over.

10 Is there anything in the Prolift IFU  
11 that states that patients with significant atrophic  
12 changes won't do as well?

13 A. I don't believe so.

14 MS. THOMPSON: That's all I have.

15 EXAMINATION

16 BY MR. MORIARTY:

17 Q. Okay. Doctor, I want to hand you  
18 Exhibits 5 and 6. Do you believe that you were  
19 paid those amounts in those years?

20 A. No, I don't remember being paid this  
21 amount in these years.

22 Q. Do you know whether you signed  
23 consulting contracts with Ethicon that had those  
24 numbers as a maximum amount that could be paid in

1 those years?

2 A. I remember signing contracts and I don't  
3 remember the amounts, but that certainly could be.

4 Q. Is there any Level 1 evidence that  
5 Prolift surgery results in more pain than native  
6 tissue repairs?

7 A. No.

8 Q. Typically do articles published in the  
9 literature just report pain as an endpoint of the  
10 study?

11 A. Do they report that?

12 Q. Pain as the endpoint of the study, as  
13 the main outcome of the study.

14 A. Not typically.

15 Q. Prior to the use of mesh for --  
16 transvaginal mesh for pelvic organ prolapse in the  
17 early 2000s, was there literature regarding  
18 anterior colporrhaphy, posterior colporrhaphy,  
19 abdominal sacrocolpopexy and other surgeries which  
20 report as part of their studies pain as a  
21 complication?

22 A. Yes. We talked about that earlier.

23 Q. Is abdominal sacrocolpopexy primarily a  
24 surgery for apical prolapse?



1 A. Yes.

2 Q. Can you take a look at Exhibit 11,  
3 please.

4 MR. MORIARTY: Well, you know what?  
5 Do you mind if I use this one so he doesn't  
6 have to dig for it?

7 MS. THOMPSON: That's fine.

8 BY MR. MORIARTY:

9 Q. This is Exhibit 11 that Margaret asked  
10 you about, the Oversand study. Do you remember  
11 those questions?

12 A. Yes.

13 Q. And this is about long-term followup  
14 after native tissue repairs only; is that correct?

15 A. Okay.

16 Q. In the charts that report the results  
17 from their surgeries, do they have columns for  
18 complications like de novo urinary incontinence?

19 A. Yes.

20 Q. Do they have columns for urinary  
21 retention?

22 A. Yes.

23 Q. Do they have columns for dyspareunia?

24 A. Yes.

1 Q. In the dyspareunia column, are the rates  
2 across this chart 8.3, 10.7 and 9.1 percent?

3 A. Yes.

4 Q. In this other chart on the following  
5 page, Table 3, do they report de novo incontinence  
6 and dyspareunia here?

7 A. Yes.

8 Q. Are the dyspareunia rates in Table 3  
9 similar to the ones in Table 2?

10 A. Yes.

11 Q. Are the dyspareunia rates reported in  
12 this article similar to the dyspareunia rates  
13 reported in other articles about native tissue  
14 repair and in articles about the Prolift?

15 A. Yes.

16 Q. Just because a surgeon may have concerns  
17 about a procedure or a device, does that mean that  
18 the risks of the surgery or the device outweigh the  
19 benefits?

20 A. No.

21 Q. Does it mean just because a surgeon may  
22 have concerns about something mean that the surgery  
23 or the device is unreasonably dangerous?

24 A. No, not at all.

1 Q. Margaret asked you some questions about  
2 Exhibit 23.

3 MR. MORIARTY: You are not offended if  
4 I use your first name, are you?

5 MS. THOMPSON: No, I'm not. I was  
6 going to say something cute, but I couldn't  
7 think of it.

8 BY MR. MORIARTY:

9 Q. Do you remember some questions about  
10 this vaginal mesh contraction article?

11 A. Yes.

12 Q. How many patients are in the study?  
13 There are 17.

14 A. Okay.

15 Q. And is there anything in this paper that  
16 describes in any scientific way the methodology  
17 they used to attribute the clinical complaints of  
18 pain or dyspareunia to mesh contraction?

19 A. No, it doesn't look like that was  
20 resulted.

21 Q. Okay. Thank you. I just want to ask  
22 you a couple questions about Exhibit 26. Do you  
23 remember this PowerPoint that we went through  
24 extensively? I want you to go to this page that

1     you weren't asked about called "The frequency of  
2     mesh shrinkage."

3             A.     How far in is that?

4             Q.     It is about four pages in, five pages  
5     in. Let's use this.

6             A.     I got it.

7             Q.     Does it say on the slide that the  
8     frequency is unknown?

9             A.     The first bullet point says unknown.

10            Q.     Is there then a question in the second  
11     bullet point about the clinical relevance of mesh  
12     shrinkage?

13            A.     It says, reading bullet point, "Clinical  
14     relevance of mesh shrinkage?" It says, "Always a  
15     certain degree of mesh shrinkage, asymptomatic in  
16     most cases. "

17            Q.     Is that consistent with your experience,  
18     that mesh shrinkage if it exists is asymptomatic in  
19     the majority of cases?

20            A.     That's been my experience.

21            Q.     There is another page further back in  
22     this. Let me find it. I think I dog-eared the  
23     page. It is called "How to manage? Dyspareunia,  
24     shrinkage and bands." Do you remember being asked

1 about this page?

2 A. Yes.

3 Q. Does one of the bullet points say, "Mesh  
4 excision improves patient's symptoms in most  
5 cases"?

6 A. That's what it says.

7 Q. Is that consistent with your experience?

8 A. Yes.

9 Q. When you gave your opinions to a  
10 reasonable degree of medical probability, is your  
11 understanding of that term that that has to do with  
12 likelihood and probabilities and more likely than  
13 not?

14 A. Yes, that's my understanding.

15 Q. Is "may" a term that in your  
16 understanding is consistent with probability and  
17 more likely than not?

18 A. In the context of what statement?

19 Q. In this context is "may" likelihood or  
20 is "may" speculation?

21 MS. THOMPSON: I object to the form.

22 A. Well, I think it may depend on what  
23 specifically I was saying, I guess, so I'm not sure  
24 I can answer that 100 percent.

1 Q. But would you agree with me that if you  
2 are saying something may happen that it's possible  
3 it could happen?

4 MS. THOMPSON: Object, leading.

5 A. My terminology, "may" would be  
6 consistent with "possible," not yes.

7 Q. Not probable?

8 A. Not probable. "May" would be a low  
9 likelihood, possible.

10 MR. MORIARTY: That's all I have.

11 MS. THOMPSON: I have a couple of  
12 followup questions.

13 MR. MORIARTY: Wait. Is there  
14 redirect when you have already used all your  
15 time?

16 MS. THOMPSON: I think Kersey would  
17 allow me to address a couple of points you  
18 make, and they can hopefully be very short  
19 questions.

20 FURTHER EXAMINATION

21 BY MS. THOMPSON:

22 Q. You are aware that there is Level 1  
23 evidence showing that mesh repairs have a higher  
24 incidence of de novo stress urinary incontinence,

1 correct?

2 A. Depending on the study. Once again,  
3 there is a broad --

4 Q. Are you familiar with the Ek study?

5 A. Yeah. Which one?

6 MS. THOMPSON: We can go ahead and  
7 mark this as an exhibit.

8 (Bales Exhibit 30 was marked for  
9 identification.)

10 MR. MORIARTY: Do you have a copy for  
11 me?

12 MS. THOMPSON: I do.

13 THE WITNESS: Okay.

14 BY MS. THOMPSON:

15 Q. And this is randomized, controlled trial  
16 results, correct? First sentence under "Materials  
17 and Methods."

18 A. Correct.

19 Q. And the conclusion is just "Trocar  
20 Guided..."

21 And that's Prolift, correct? Prolift is  
22 trocar guided, correct?

23 A. Prolift is trocar guided.

24 Q. "...transvaginal mesh of anterior

1 vaginal wall prolapse results in a lowering of  
2 MUCPs and increases the risk for de novo stress  
3 urinary incontinence compared to colporrhaphy."

4 Did I read that correctly?

5 A. You did.

6 Q. And that would be Level 1 evidence of an  
7 increased incidence of stress urinary incontinence  
8 de novo after trocar-based mesh, correct?

9 A. It would be, although a very small  
10 experience, 20-plus patients in either group.

11 MS. THOMPSON: And let's mark this as  
12 the next one, whatever it is.

13 (Bales Exhibit 31 was marked for  
14 identification.)

15 MR. MORIARTY: Is this the last one?

16 MS. THOMPSON: It is.

17 BY MS. THOMPSON:

18 Q. Are you familiar with the paper by --

19 MR. MORIARTY: Please stop. I need to  
20 look at it because you don't have a copy for  
21 me.

22 MS. THOMPSON: And I'm just reading  
23 from this. "A significant correlation was  
24 found between mesh retraction and the severity



1 of vaginal pain. Mesh retraction did not  
2 differ between patients with de novo SUI  
3 symptoms and those without this complication,  
4 and this was done with Prolift."

5 MR. MORIARTY: Objection. Is that a  
6 question?

7 BY MS. THOMPSON:

8 Q. Did I read it correctly? And this study  
9 was using Prolift, correct? You can look in the  
10 abstract under "Methods."

11 A. Prolift, Prolift anterior mesh.

12 Q. And I'm going to read a statement.

13 "A significant correlation was found  
14 between mesh retraction and the severity of vaginal  
15 pain." So at least in this paper a correlation was  
16 found between mesh retraction and vaginal pain,  
17 correct?

18 MR. MORIARTY: Objection, form. Go  
19 ahead.

20 A. Evidently, yes.

21 Q. And this wasn't included in your expert  
22 report, was it?

23 A. No.

24 MS. THOMPSON: No other questions.

1 (WHEREUPON, discussion was  
2 had off the record.)

3 BY MS. THOMPSON:

4 Q. Matt, Dr. Bales, I would like to ask you  
5 which products you intend to offer opinions on in  
6 the sling cases because that will help us keep our  
7 time down tomorrow if we can narrow that down.

8 A. Sure.

9 Q. I think counsel told me you were  
10 planning on testifying regarding TVT retropubic  
11 slings and that would include Exact and mechanical  
12 cut and laser cut, correct?

13 A. Okay.

14 Q. And then the TVT-O?

15 A. Correct. Also, I could be asked about  
16 Secur.

17 Q. Okay. So you intend to give opinions  
18 about TVT Secur?

19 A. Well, I'm going to answer your  
20 questions.

21 Q. How about Abbrevio?

22 A. Never used Abbrevio.

23 Q. So you would not be offering opinions on  
24 Abbrevio?

1 MR. MORIARTY: Well, you said all of  
2 the retropubics. TVT retropubic or classic,  
3 correct?

4 THE WITNESS: Yeah. I mean  
5 the Abbrevio --

6 MR. MORIARTY: TVT-O, TVT-S and any  
7 others?

8 THE WITNESS: No. The Abbrevio and the  
9 Exact, as you know, are essentially TVTs with  
10 just a shortening of the --

11 BY MS. THOMPSON:

12 Q. I agree. I just wanted to make sure I  
13 had the products so I know what.

14 So TVT, because I think Mr. Moriarty  
15 told me earlier you were probably not testifying  
16 about TVT Secur. So, TVT retropubic, all  
17 varieties, TVT-O but not Abbrevio and TVT Secur?

18 A. Yes, fine.

19 MS. THOMPSON: I got it.

20 THE WITNESS: But again you call the  
21 shots. You ask the questions.

22 MR. MORIARTY: Let's go off the  
23 record. We don't need to do this on the  
24 record.

1 MS. THOMPSON: No, we don't.

2 (At 12:36 p.m. the deposition was  
3 concluded.)  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

1 CERTIFICATE OF CERTIFIED SHORTHAND REPORTER  
2 I, PAULINE M. VARGO, a Certified  
Shorthand Reporter of the State of Illinois,  
3 C.S.R. No. 84-1573, do hereby certify:

4 That previous to the commencement of the  
examination of the witness, the witness was duly  
5 sworn to testify the whole truth concerning the  
6 matters herein;

7 That the foregoing deposition transcript  
was reported stenographically by me and thereafter  
8 reduced to typewriting under my personal direction;

9 That the reading and signing of said  
deposition was reserved by counsel for the  
10 respective parties and the witness;

11 That the foregoing constitutes a true  
record of the testimony given by said witness  
12 before this reporter;

13 That I am not a relative, employee,  
attorney or counsel, nor a relative or employee of  
14 such attorney or counsel for any of the parties  
hereto, nor interested directly or indirectly in  
the outcome of this action.

15 CERTIFIED TO THIS 6th DAY OF APRIL,  
16 A.D., 2016.

17  
18 \_\_\_\_\_  
Pauline M. Vargo, RPR, CRR  
19 Illinois Certified Shorthand  
Reporter No. 84-1573  
20  
21  
22  
23  
24

INSTRUCTIONS TO WITNESS

Please read your deposition over carefully and make any necessary corrections. You should state the reason in the appropriate space on the errata sheet for any corrections that are made.

After doing so, please sign the errata sheet and date it. It will be attached to your deposition.

It is imperative that you return the original errata sheet to the deposing attorney within thirty (30) days of receipt of the deposition transcript by you. If you fail to do so, the deposition transcript may be deemed to be accurate and may be used in court.

1

- - - - -

E R R A T A

2

- - - - -

3

PAGE LINE CHANGE

4

\_\_\_\_\_

5

REASON: \_\_\_\_\_

6

\_\_\_\_\_

7

REASON: \_\_\_\_\_

8

\_\_\_\_\_

9

REASON: \_\_\_\_\_

10

\_\_\_\_\_

11

REASON: \_\_\_\_\_

12

\_\_\_\_\_

13

REASON: \_\_\_\_\_

14

\_\_\_\_\_

15

REASON: \_\_\_\_\_

16

\_\_\_\_\_

17

REASON: \_\_\_\_\_

18

\_\_\_\_\_

19

REASON: \_\_\_\_\_

20

\_\_\_\_\_

21

REASON: \_\_\_\_\_

22

\_\_\_\_\_

23

REASON: \_\_\_\_\_

24

1 ACKNOWLEDGMENT OF DEPONENT

2

3 I, \_\_\_\_\_, do

4 hereby certify that I have read the foregoing

5 pages, and that the same is a correct transcription

6 of the answers given by me to the questions therein

7 propounded, except for the corrections or changes

8 in form or substance, if any, noted in the attached

9 Errata Sheet.

10

11

12 \_\_\_\_\_  
GREGORY BALES, M.D.

DATE

13

14

15

16

17

18

19

20

21

22

23

24